

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

MICHELL'S SEEDS

1927

BULBS

PLANTS



MICHELL'S GREEN VELVET LAWN GRASS SEED

Ready for mowing 3 to 4 weeks after
sowing. For description and prices, see
Grass Seed section of this catalog.

FERTILIZERS,
GARDEN TOOLS,
POULTRY SUPPLIES,
INSECT DESTROYERS.

HENRY F. MICHELL
CO.
518-516 MARKET ST.
PHILADELPHIA

TRIAL HOUSE
PA

Wizard

TRADE BRAND MARK

Sheep Manure



Makes All Plants and Lawns Grow To Perfection

Wizard is a highly concentrated sheep manure, free from straw and rubbish, with all weed seeds killed. This natural fertilizer makes hard, worn-out soils rich and fertile. It supplies the humus and plant food that puts new life and beauty into all plants.

Everybody can get wonderful results with Wizard because it does not burn plants and is safe for every purpose. It is economical because **ONE BIG 100 LB. BAG EQUALS A WHOLE WAGON LOAD OF STABLE MANURE.**

LAWNS AND GARDENS. Wizard produces a thick velvety green lawn of lasting beauty. Make an application early in the spring and you will be surprised at the new beauty it will develop. On old lawns broadcast 6 to 10 lbs. per 100 sq. ft.; on new lawns 10 lbs. per 100 sq. ft., raked into the surface soil. Luxuriant green foliage and a wealth of vivid colored flowers quickly follow the use of Wizard. Fine for vines, shrubs and trees. Mix with the soil under new plantings and cultivate into the surface soil around established plants.

VEGETABLES AND FRUIT. Nothing equals manure for vegetables. Wizard will insure big profitable crops of crisp, tender vegetables and improve the color and flavor of fruit. Use 1000 to 1500 lbs. per acre.

FLORISTS. Wizard has been the standard of quality for twenty years. Always safe and dependable for all crops under glass or in the field.



Wizard Brand Cow Manure

Shredded cow manure is unexcelled for mulching roses and for all plants requiring a cool, slow acting manure. It is especially valuable for binding loose, sandy soils. Wizard is preferred by the practical florist for preparing bench and potting soils and liquid manuring. Pulverized cow manure is the same quality but in finely pulverized form.

For Prices on Wizard Brand Manures, see Fertilizer section of this catalog

Best For Lawns, Gardens, Fruits and Vegetables

DIRECTIONS FOR ORDERING (SUGGESTIONS) 1

INFORMATION

CONDITIONS OF SALE

All contracts, sales and acknowledgments of orders are contingent upon crop failures, partial deliveries by growers or manufacturers, strikes, or other unavoidable causes beyond our control. clerical errors included; also unsatisfactory credit standing. All quotations are subject to market changes and goods being unsold on receipt of order. Henry F. Michell Co. give no warranty, expressed or implied, as to the description, purity or productiveness of any seeds, plants or bulbs they send out, and they cannot be in any way responsible for the crop. If the customer does not accept the goods on these terms, he must notify us at once and we will give instructions for the disposition of the goods. No responsible seedsman can give a warranty.

PLEASE ORDER EARLY

We shall greatly appreciate it if our customers will adopt our suggestion to send us their orders for **seeds, plants, bulbs, etc.**, during January and February. Shipment need not be made until they want the goods.

PLANT ORDERS

Customers desiring to order plants are respectfully asked to acquaint themselves with instructions and suggestions on page 107.

PACKING CHARGES

No charge is made for boxes or packing, except for two-bushel seamless sacks which are charged at market value (and as may otherwise be noted), these bags are returnable for credit at the price charged. Any extra charges over actual postage on Parcel Post orders is for special packing required.

BUSINESS TERMS

We especially invite charge accounts, which is more convenient than to remit for each order at the time it is sent us. When sending your first charge order, please send us the names and addresses of two or more business houses with whom you have had past or present credit relations; this saves considerable time in the execution of your first charge order.

As to our responsibility, we refer you to **Dun's or Bradstreet's Mercantile Agency**, or any bank or trust company in the United States.

REGARDS C. O. D. SHIPMENT

Goods can be sent C. O. D. (with the exception of perishable items, which include plants and cold storage bulbs; these cannot be sent C. O. D.). No C. O. D. shipments for any kind of goods can be made by express or freight out of town unless a partial remittance accompanies the order. No C. O. D. orders can be accepted where the amount is less than \$1.00. During April and May, owing to the heavy volume of business transacted, we are not in a position to accept orders for shipment C. O. D. unless a partial payment has been made on account to assure acceptance at time of delivery.

SHIPPING INSTRUCTIONS

Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment. Please read instructions on page 82 regarding the sending of Vegetable Plants by Parcel Post.

FORWARDING SERVICE

We deliver, postpaid to any Post Office in the United States, Vegetable and Flower Seeds in packets, ounces, and pounds, except where otherwise noted in the Catalog. If these are wanted by parcel post please remit for postage the amount named in connection with the item or at the rates quoted in table opposite. Agricultural Seeds, Implements, Fertilizers, and other heavy and bulky goods are sent by Express or Freight at purchaser's expense.

Plant orders should be separated from Seed orders, as they are usually filled and shipped separately.

All Plants, Roots and Bulbs are forwarded by Express (or parcel post when possible) purchaser paying charges, unless otherwise noted.

For those of our customers who prefer to receive such goods by Parcel Post, we will be pleased to forward in this manner such plants as can be sent in this way at the following additional cost, which must be added to the value of each order for Plants, Roots or Bulbs unless otherwise noted.

To all points east of the Mississippi River, 15 per cent. extra to cover postage and packing charges.

To all points west of the Mississippi River, 25 per cent. extra.

Poisons cannot be sent by Parcel Post; please consult parcel post table below, for rates on other merchandise.

SAFE ARRIVAL.—We guarantee the safe arrival of all goods sent to points within the United States except when shipped to points where there is no express or freight agent, to such points the purchaser must assume any claim for loss or damage.

LOCAL DELIVERY.—Our automobile service covers most of Philadelphia, free delivery being confined to the following districts bounded as follows:

East. Delaware Ave., in central downtown.

East. Fox Chase, Lawndale, Kensington, Frankford, uptown.

North. City Line in the Old York Road district.

North. City Line in the Germantown and Chestnut Hill district.

Northwest. Bala, Cynwyd, Wynnefield and Overbrook (Latch's Lane).

West. 69th Street, Upper Darby (Bywood, Drexel Hill, Stonehurst, Highland Park, Lansdowne.).

South. League Island, Front to 69th Street.

Ridge Ave. District. Falls of Schuylkill, Roxborough, Manayunk.

Also note that we do not guarantee to maintain a daily delivery, to these points.

Please note the free delivery service does not include bulky quantities of fertilizers in over $\frac{1}{4}$ ton quantities. Special arrangements can however be made for delivery of these.

Shipments of goods can also be made by package service from Market and Chestnut St. Ferries, Broad St. Station, Reading Terminal and B. & O. R. R., at 24th and Chestnut Sts.

The tariff for shipments that can be made by this method, packed in one piece is as follows:

10 lbs. and under, 12c. 40 lbs. to 55 lbs., 30c.

10 lbs. to 25 lbs., 18c. 56 lbs. to 70 lbs., 36c.

25 lbs. to 40 lbs., 24c. 71 lbs. to 85 lbs., 42c.

86 lbs. to 100 lbs., 48c.

Packages weighing over 50 lbs. accepted at Broad St. Station only.

Shipments weighing more cannot be sent via Package Service.

Positions for Gardeners, Estate Superintendents, etc.

Frequently we have on our register the names of competent Gardeners, Superintendents, Greenskeepers, Farmers and Poultrymen who desire positions. We are always pleased to put them in communication with parties desiring services of such men.

Parcel Post Rates from Philadelphia (Subject to Change)

United States Parcel Post Rates (Seeds, plants and bulbs included) (Subject to Change.)	First pound or fraction	Each additional pound or fraction	Packages must not exceed 84 inches (length and girth combined)
Local Rate, Philadelphia.....	\$0.07	\$0.00 $\frac{1}{2}$	Limit of weight this zone, 70 lbs.
1st Zone, within 50 miles of Philadelphia.....	.07	.01	Limit of weight this zone, 70 lbs.
2d Zone, over 50 and under 150 miles.....	.07	.01	Limit of weight this zone, 70 lbs.
3d Zone, over 150 and under 300 miles.....	.08	.02	Limit of weight this zone, 70 lbs.
4th Zone, over 300 and under 600 miles.....	.09	.04	Limit of weight this zone, 50 lbs.
5th Zone, over 600 and under 1000 miles.....	.10	.06	Limit of weight this zone, 50 lbs.
6th Zone, over 1000 and under 1400 miles.....	.11	.08	Limit of weight this zone, 50 lbs.
7th Zone, over 1400 and under 1800 miles.....	.13	.10	Limit of weight this zone, 50 lbs.
8th Zone, over 1800 miles.....	.14	.12	Limit of weight this zone, 50 lbs.

On Seeds, Bulbs, Plants or Roots not exceeding eight (8) ounces in weight, the postage charge is 1c. for each two (2) ounces of fraction thereof; on Sundries or other Merchandise not exceeding eight (8) ounces in weight, the postage charge is $\frac{1}{2}$ c. for each two (2) ounces or fraction thereof. Seeds, Bulbs, Plants, Roots, Sundries, etc., weighing over eight (8) ounces are sent at zone rates.

If special Delivery is wanted an additional 10c. is required on packages weighing up to two (2) pounds—15c. on packages weighing more than two (2) pounds and up to ten (10) pounds—20c. on packages weighing more than ten (10) pounds.

If it is desired that a package be given the same dispatch as first class mail it requires an additional 25 cents to the amounts as stated above, which is called a "Special Handling" rate.

If remittance accompanies order, a sufficient amount should be included to cover the extra charges—if ordered to be sent by either of the methods as stated above.

Please note parcel post charges quoted by us are for delivery in the United States only.

HENRY F. MICHELL { PRESIDENT
SECRETARY

HENRY F. MICHELL CO.
SEEDS BULBS, PLANTS, GARDEN SUPPLIES, FERTILIZERS,
INSECT DESTROYERS, POULTRY SUPPLIES, ETC.

FRED'K J. MICHELL { VICE PRESIDENT
TREASURER

WAREHOUSES 509-11-13 LUDLOW ST.
AMERICAN AND DAUPHIN STS.

518-516 MARKET ST., PHILA.
NURSERIES AND PLANT HOUSES, ANDALUSIA, PA.

BELL AND KEYSTONE
TELEPHONES

INDEX TO CONTENTS OF MICHELL'S 1927 CATALOG

VEGETABLE SEEDS	
	Page
Anise.....	52, 81
Artichoke.....	52
Asparagus.....	48, 52
Basil (Sweet).....	56, 78, 81
Beans.....	48, 53 to 55
Beet.....	48, 48A, 56
Borage.....	56, 81
Broccoli.....	56
Brussels Sprouts.....	56
Cabbage.....	48A, 58, 59
Cantaloupe.....	49, 68
Caraway.....	57, 81
Carrot.....	48A, 57
Catnip.....	57, 81
Cauliflower.....	57
Celeriac.....	60
Celery.....	49, 60
Chamomile.....	59, 81
Chervil.....	59
Chicory.....	59
Chives.....	59, 81
Citron.....	59, 69
Collards.....	59
Collections.....	51
Coriander.....	59, 81
Corn Salad.....	63
Corn (Sugar).....	48, 62, 63
Cress (Garden).....	61
Cress (Water).....	61
Cucumber.....	49, 61
Dandelion.....	64
Dill.....	64, 81
Egg Plant.....	64
Endive.....	64
Fennel.....	64, 81
Garlic.....	64, 70
Gumbo.....	70
Herbs (Seed).....	81
Horse Radish.....	65
Kale.....	65
Kohl Rabi.....	65
Lavender.....	65, 81
Leek.....	65
Lettuce.....	66, 67
Martynia.....	68
Mangel Wurzel.....	67
Melons.....	49, 68, 69
Mint.....	69, 81
Mushroom Spawn.....	70
Mustard.....	69
Okra.....	70
Onions.....	71
Onion Sets.....	70
Parsley.....	75
Parsnip.....	71
Peanuts.....	74
Peas.....	48, 72, 73
Pennyroyal.....	74, 81
Pepper.....	74
Pop Corn.....	63
Potatoes.....	75
Potato Seed.....	75
Pumpkin.....	76
Radish.....	49, 77
Rhubarb.....	76
Rosemary.....	78, 81
Ruta Baga.....	76, 81
Saffron.....	78, 81
Sage.....	78, 81
Salsify.....	78
Savory.....	78, 81
Shallots.....	70
Sorrel.....	78
Spinach.....	50, 78
Squash.....	50, 79
Sugar Corn.....	48, 62, 63
Summer Savory.....	78, 81
Sweet Basil.....	56, 81
Sweet Marjoram.....	78, 81
Swiss Chard.....	56, 79
Thyme.....	79
Tohacco.....	79
Tomato.....	48, 50, 80
Turnip.....	81
Winter Savory.....	81

FARM, GRASS AND MISCELLANEOUS SEEDS	
Alfalfa.....	85
Barley.....	86
Beans (Soja).....	86
Bird Seeds.....	182
Broom Corn.....	86
Buckwheat.....	87
Canada Peas.....	86
Carrots.....	86
Clovers.....	85
Corn (Field).....	83
Cotton Seed.....	87
Cow Peas.....	87
Emmer.....	88
Flax.....	87

FARM, GRASS AND MISCELLANEOUS SEEDS—Con.	
	Page
Grass Seeds.....	4 to 7 incl.
Kaffir Corn.....	87
Mangel Wurzel.....	88
Millet.....	88
Oats.....	88
Rape (Essex).....	88
Rye.....	89
Soja Beans.....	86
Speltz.....	88
Sudan Grass.....	87
Sugar Cane.....	89
Sunflower.....	89
Timothy.....	89
Vetches.....	89
Wheat.....	89

FLOWER SEEDS	
Abutilon.....	11
Acanthus.....	11
Achillea.....	11
Aconitum.....	11
Acroclonium.....	26
Adlumia.....	11
Adonis.....	11
African Daisy (Aretotis).....	13
Ageratum.....	11
Agrostemma.....	11
Alyssum.....	8, 11
Amaranthus.....	12
Ampelopsis.....	12
Anchusa.....	12
Anemone.....	12
Anthemis.....	12
Antirrhinum.....	8, 12
Aquilegia.....	13
Arabis.....	13
Arctotis.....	13
Armeria.....	13
Arundo (see Grasses).....	28
Asparagus.....	13
Asperula.....	13
Asters.....	8, 14 to 16
Aubretia.....	16
Auricula.....	17
Avena (see Grasses).....	28
Baby's Breath (Gypsophila).....	28
Bachelor's Button (Centaurea).....	21
Bachelor's Button (Gomphrena).....	26
Balloon Vine.....	17
Balsam.....	17
Balsam Apple.....	17
Baptisia.....	17
Beans (Runner).....	17
Begonia.....	8A, 17
Bellflower (Campanula).....	19
Bellflower (Platycodon).....	37
Bellis (Daisy).....	24
Blue Lace Flower.....	24
Bocconia.....	17
Briza (see Grasses).....	28
Bromus (see Grasses).....	28
Browallia.....	18
Butterfly Fl. (Schizanthus).....	41
Calceolaria.....	18
Calendula.....	8A, 18
California Poppy (Eschscholtzia).....	26
Calliopsis.....	18
Campanula.....	19
Canary Bird Vine.....	19
Candytuft.....	8A, 19
Canna.....	20
Canterbury Bell (Campanula).....	19
Cardinal Climber.....	20
Carnation.....	8A, 20
Castor Beans (Ricinus).....	9, 40
Celosia.....	56
Centaurea.....	21
Cerastium.....	21
Chieranthus.....	21
Chelone.....	21
Chinese Woolflower (Celosia).....	21
Chrysanthemum.....	9, 21
Cineraria.....	22
Clarkia.....	22
Clematis.....	22
Cleome.....	22
Cobaea.....	22
Cockscomb (Celosia).....	20
Coix (see Grasses).....	28
Coleus.....	22
Collections of Flower Seeds.....	10A
Columbine (Aquilegia).....	13
Cone Flower (Rudbeckia).....	40
Convolvulus.....	22
Coreopsis (Calliopsis).....	18
Cornflower (Centaurea).....	21
Cosmos.....	23
Cowslip (Primula Veris).....	39
Cultural Leaflets.....	13
Cuphea.....	23
Cyclamen.....	23
Cynoglossum.....	23
Cyperus.....	24
Cypress Vine.....	24

FLOWER SEEDS—Con.	
	Page
Dahlia.....	24
Daisy.....	24
Delphinium.....	8A, 24
Dianthus.....	25
Dianthus Barhatus (Sweet William).....	45
Dictamnus.....	24
Didiscus.....	24
Digitalis.....	25
Dimorphotheca.....	25
Dolichos.....	25
Dracena.....	25
Dusty Miller (Centaurea).....	21
Dusty Miller (Cineraria).....	22
Echinocystis.....	25
Echinops.....	26
Eryngium.....	26
Eschscholtzia.....	26
Eulalia (see Grasses).....	28
Eupatorium.....	26
Euphorbia.....	27
Everlastings.....	26
Fern Spores.....	27
Feverfew.....	27
Forget-Me-Not (Myosotis).....	32
Four O'clock (Marvel of Peru).....	32
Foxglove (Digitalis).....	25
Gaillardia.....	27
Gas Plant (Dictamnus).....	24
Gentiana.....	27
Geranium.....	27
Gerbera.....	27
Geum.....	27
Globe Amaranth.....	26
Gloxinia.....	27
Godetia.....	26
Gomphrena.....	26
Gourd.....	27
Grasses, Ornamental.....	28
Grevillea.....	28
Gynerium (see Grasses).....	28
Gypsophila.....	28
Helenium.....	28
Heliandthemum.....	28
Helianthus (Sunflower).....	45
Helichrysum.....	26
Heliosis.....	28
Heliotrope.....	28
Hesperis (Sweet Rocket).....	45
Hibiscus.....	28
Hollyhock.....	29
Honesty.....	29
Hop Vine (Humulus).....	29
Hordeum (see Grasses).....	28
Humulus.....	29
Hunnemannia.....	29
Hyacinth Bean (Dolichos).....	25
Iberis (Candytuft).....	8A, 19
Ice Plant (Mesemhryan).....	31
Impatiens.....	29
Ipomoea.....	29
Iris.....	29
Japanese Hop (Humulus).....	29
Japanese Ivy (Ampelopsis).....	12
Job's Tears (Coix).....	28
Kenilworth Ivy.....	29
Kochia.....	30
Kudzu Vine (Pueraria).....	39
Lady Slipper (Balsam).....	17
Lantana.....	30
Larkspur (Annual).....	9, 30
Larkspur (Perennial).....	24
Lathyrus.....	30
Lavender.....	30
Lemon Verbena.....	46
Liatris.....	30
Linaria (Kenilworth Ivy).....	29
Linum.....	30
Lobelia.....	9, 30
Love-in-a-Mist (Nigella).....	34
Lupinus.....	31
Lychnis.....	31
Marigold.....	31
Marvel of Peru.....	32
Mathiola.....	31
Matricaria (Feverfew).....	27
Maurandia.....	31
Mesembryanthemum.....	31
Mexican Fire Plant (Euphorbia Heterophylla).....	27
Mignonette.....	32
Mimosa (Sensitive Plant).....	41
Mimulus.....	32
Mixed Seed for Wild Garden.....	46
Monarda (Balsam Apple).....	17
Monkshood (Aconitum).....	11
Moon Flower (Ipomoea).....	29
Morning Glory.....	22
Mourning Glory (Scabiosa).....	10, 41
Musa Ensete.....	32
Myosotis.....	32
Nasturtium.....	33, 34
Nemesia.....	34
Nicotiana.....	34
Nigella.....	34
Oenothera.....	34
Ornamental Grasses.....	28

FLOWER SEEDS—Con.	
	Page
Pansy.....	35
Papaver (Poppy).....	38
Pelargonium (Geranium).....	27
Pennisetum (see Grasses).....	28
Pentstemon.....	35
Pink (Dianthus).....	46
Petunia.....	9, 36
Phlox.....	37
Physalis.....	37
Physostegia.....	37
Pinks (Carnation).....	8A, 20
Pinks (Dianthus).....	25
Platycodon.....	37
Polygonus.....	37
Poppy.....	38
Portulaca.....	39
Pot Marigold (Calendula).....	8A, 18
Primula.....	9, 39
Pueraria.....	39
Pyrethrum.....	40
Reseda (Mignonette).....	32
Rhodanth.....	26
Ricinus.....	9, 40
Rock Cress (Arabis).....	13
Rudbeckia.....	40
Salpiglossis.....	40
Salvia.....	41
Saponaria.....	41
Scabiosa.....	10, 41
Scarlet Flax (Linum).....	30
Scarlet Runner Bean.....	17
Scarlet Sage (Salvia).....	41
Schizanthus.....	41
Sensitive Plant.....	41
Shamrock.....	41
Shasta Daisy (see Chrys.).....	21
Sidalcea.....	42
Smilax.....	42
Snagdragon (Antirrhinum).....	8, 12
Snow in Summer (Cerastium).....	21
Snow on the Mountain (Euphorbia Var.).....	27
Solanum.....	42
Statice.....	10, 42
Stevia.....	42
Stipa (see Grasses).....	28
Stocks.....	42
Stokesia.....	42
Strawflower (Helichrysum).....	26
Sunflower (Helianthus).....	45
Sweet Alyssum.....	8, 11
Sweet Peas.....	10, 43, 44
Sweet Rocket.....	45
Sweet Sultan.....	45
Sweet William.....	45
Tagetes.....	45
Thalictrum.....	45
Thunbergia.....	45
Torenia.....	45
Transvaal Daisy (Gerbera).....	27
Tritoma.....	45
Troilus.....	45
Valeriana.....	46
Verbena.....	10, 46
Veronica.....	46
Vinca.....	46
Viola.....	46
Violet.....	46
Wallflower.....	47
Wild Cucumber (Echinocystis).....	25
Wild Flower Garden Mixture.....	46
Woolflower (Celosia).....	20
Xeranthemum.....	26
Zinnia.....	10, 47

BULBS AND PLANTS	
Achillea.....	115, 116
Achyranthes.....	107
Aconitum.....	116
Ageratum.....	107
Agrostemma.....	116
Akebia.....	134
Almond, Flowering.....	136
Alternanthera.....	107
Althea (Rose of Sharon).....	136
Alyssum.....	107, 115, 116
Amayllis.....	90
Ampelopsis.....	134
Amygdalus (Almond).....	136
Anchusa.....	116
Anemone.....	117
Antirrhinum.....	107
Apples.....	143
Apricots.....	143
Aquilegia.....	115, 117
Arabis.....	115, 117
Aristolochia.....	134
Armeria.....	115, 117
Artemisia.....	117, 118
Artichoke.....	52, 82
Asclepias.....	118
Asparagus.....	48, 52, 82, 108
Asters.....	108, 115, 118
Astilbe.....	119
Azaleas.....	136
Baby's Breath.....	122
Barberry.....	139

BULBS AND PLANTS—Con.	
	Page
Begonias.....	90, 108
Bellis (Daisy).....	109
Berberis.....	139
Bignonia.....	134
Blackcherries.....	140
Bocconia.....	119
Boltonia.....	119
Boxwood.....	139
Bridal Wreath (Spirea).....	137
Brussels Sprouts.....	56, 82
Butterfly Bush.....	136
Cabbage	59, 82
Caladium.....	98
Calendula.....	108
California Privet.....	139
Callas.....	98
Callicarpa.....	136
Calycanthus.....	136
Campanula.....	119
Candytuft (Hardy).....	115, 125
Cannas.....	91
Carnations.....	119
Caryopteris.....	119
Cauliflower.....	57, 82
Celastrus.....	134
Celery.....	60, 82
Celosia.....	108
Centaurea.....	108, 119
Cercis (Judas or Red Bud).....	136
Chelone.....	120
Cherries.....	143
Chionanthus.....	136A
Chives.....	59, 82
Chrysanthemum.....	120
Cinnamon Vine.....	98, 135
Clematis.....	120, 134
Clethra (Pepper Bush).....	136A
Climbing Plants.....	134, 135
Cobaea.....	108, 135
Coleus.....	108
Collections Hardy Perennials.....	133
Columbine.....	115, 117
Coreopsis.....	120
Cornus (Dogwood).....	136A
Cosmos.....	108
Currants.....	140
Cytisus (Golden Chain).....	136A
Dahlia	92 to 97
Daisy.....	109
Delphinium.....	121
Deutzia.....	136A
Dianthus.....	115, 121
Dielytra.....	115, 121
Digitalis.....	121
Dracena.....	109
Egg Plant	64, 82
Eryngium.....	121
Eupatorium.....	122
Euphorbia.....	122
Evonymous.....	115, 135, 136A
Exochorda.....	136A
Ferns	109, 115, 122
Feverfew (Matricaria).....	126
Forget-Me-Not.....	110, 115, 126
Forsythia (Golden Bells).....	136A
Foxglove.....	121
Funkia.....	122
Gaillardia	122
Geranium.....	109
Geum.....	122
Gladiolus.....	99 to 102A
Gloxinias.....	98
Gooseberries.....	140
Grape Vines.....	141
Grasses (Ornamental).....	123
Gypsophila.....	122
Hedge Plants	139
Helenium.....	123
Helianthus.....	123
Heliopsis.....	123
Heliotrope.....	109
Hemerocallis.....	125
Heuchera.....	123
Hibiscus.....	123
Hollyhock.....	125
Honeysuckle.....	135
Hop Vine.....	65, 82, 135
Horse Radish.....	65, 82
Hyacinthus.....	106
Hydrangeas.....	136A, 139
Hypericum.....	115, 125
Iberis	115, 125
Iris.....	124
Ismene.....	105
Ivy.....	135
Jasminum	137
Kudzu Vine	135
Lantana	109
Larkspur (Perennial).....	121
Lathyrus.....	125, 135
Lavendula.....	65, 82, 125
Lemon Verbena.....	109
Lettuce.....	67, 82
Liatrias.....	125
Lilacs.....	137
Lilies.....	103, 104
Lily-of-the-Valley.....	104, 115, 126
Linum.....	125

BULBS AND PLANTS—Con.

	Page
Lobelia	109, 125
Lonicera	127
Lupinus	126
Lycnis	125
Lycium	135
Lycoris	105
Lysimachia	115, 125
Lythrum	126
Madreia Vine	105, 135
Malus (Crab)	137
Marigold	109
Matricaria	126
Mertensia	115, 126
Mexican Vine	105, 135
Mint	69, 82
Mock Orange	126
Monarda	126
Montbretia	126
Moon Vine	110, 135
Myosotis	110, 115, 126
Nerine	105
Oenothera	115, 126
Oxalis	106
Pachysandra	115, 126
Palms	110
Pandanus	110
Pansy	110
Parley	75, 82
Passiflora	110
Peaches	143
Pears	143
Pentstemon	126
Peonies	127, 128
Pepper	74, 82
Pepper Bush	136A
Perennials	116, 133
Petunia	110
Philadelphus (Mock Orange)	137
Phlox	110, 115, 129
Physalis	126
Physostegia	126
Pinks	115, 121, 129
Platycodon	130
Plumbago	115, 130
Plums	143
Polygonum	135
Poppies	129
Primula	115, 130
Privet	139
Pueraria	135
Pyrethrum	110, 130
Pyrus	137
Quinces	143
Quince, Japan	137
Ranunculus	115, 130
Raspberries	141
Rhubarb	76, 82
Rhus	137
Ricinus	110
Rock Garden Plants	115
Rosemary	82
Rose of Sharon	136
Roses	112 to 114A
Rudbeckia	130
Sage	82
Salpiglossis	111
Salvia	111, 130
Saxifraga	115, 130
Scabiosa	111, 131
Scarlet Sage	111, 130
Sedum	115, 131
Senecio	131
Shasta Daisy	136 to 138
Shrubs	107
Snagdragon	107
Snowball	138
Snowberry	138
Solidago	131
Spiraea	131, 137
Statice	115, 131
Stocks	111
Stokesia	131
Strawberry Plants	142
Summer Hyacinth	106
Sunflower	123
Sweet Potato	75, 82
Sweet Shrub	136
Sweet William	131
Symphoricarpos (Snowb'y)	138
Syringa	137
Tamarix	138
Tarragon	79, 82
Thalictrum	132
Thyme	79, 82
Tomato	80, 82
Trillium	132
Tritoma	132
Tuberose	106
Valeriana	132
Vegetable Plants	82
Verbena	111
Veronica	115, 132
Viburnum	138
Vine	111, 115, 133
Viola	115, 133
Vitex	138
Wallflower	133
Weigelia	138

BULBS AND PLANTS—Con.

	Page
White Fringe	136A
Wistaria	135
Yucca	133
Zephyranthes	106
Zinnia	111
IMPLEMENTS, SUNDRIES, ETC.	
Acid or Rock Phosphate	190
Adco	190
Ansect Rose Bug Destroyer	188
Ant Destroyer	186, 188
Aphine	188
Aphis Punk	188
Aphitrogen	187, 188
Arsenate of Lead	188
Ashes	190
Asparagus Bunchers	52, 159
Asparagus Fertilizer	52, 190
Asparagus Knives	52, 159
Asparagus Salt	52
Asparagus Tape	52, 159
Axes	159
Bacteria	84, 190
Bamboo Poles	168, 176
Bamboo Stakes	176
Bark	173
Barrels	148
Barrel Trucks	148
Baskets	148, 163
Basket Hooks	175
Bean Poles	54
Beetol Spray	185, 188
Bellows	168
Berry Boxes	163
Bill Hooks	160
Bird Houses	183
"Black Leaf (40)"	188
Blood (Dried)	190
Blood Flour	190
Bone (Coarse Ground)	190
Bone Meal	190
Bone Flour	190
Books	142, 3rd Cover
Bordeaux Mixture	188
Border Shears	155
Bordo Lead	188
Broad Coops	179, 180
Brooders	180
Broom Rake	155
Brooms	155
Brushes	155
Brush or Briar Hooks	160
Buck Saw	162
Bug Death	188
Bulb Fibre	177
Bulb Pans	192
Bulldog Clips	177
Cane Stakes	176
Carbolineum	188
Carnation Bands	177
Carnation Clips	177
Carnation Food	190
Carnation Staples	177
Carnation Supports	164
Celery Paper	60
Celery Tape	60, 177
Charcoal	177
Cel-O-Glass	174
Chick Boxes	179
Chrysanthemum Manure	190
Churns	179
Cider Mills	163
Clay's Fertilizer	190
Copper Solution	188
Corn Knife	159
Corn Planters	145
Corn Poppers	163
Corn Shellers	163
Cotton Seed Meal	190
Cow Manure	190, 2nd Cover
Crepe Paper	175
Crow Repellant	83
Cultivators	146, 147
Cultivator Teeth	146, 147
Cut Flower Boxes	175
Cut Flower Vases	165, 192
Cyanegg	188
Cyanogas	188
Dandelion Extractor	155
Dandelion Rake	155
Dibbles	158
Digging Forks	158
Disinfectants	182
Dock Lifter	156
Dried Blood	145, 146
Drills	145, 168
Dusters	168
Dy Sect	186
Edgers	150, 151, 155
Egg Boxes	178
Egg Tester	179
Emery	153
Extension Pipes	170
Feeders	178
Fencing	164, 165
Fern Dish Liners	192
Ferneries	174
Fern Pans	192

IMPLEMENTS, SUNDRIES, ETC.—Con.

	Page
Ferogen	187, 190
Fertilator	170
Fertilizers	190, 191
Fertilizer Distributor	144
Field Hoe	157
Files	153
Fish Oil Soap	188
Flex-O-Glass	174
Floranid	184, 190
Flower Bed Fencing	165
Flower Pots	192
Flower Scissors	176
Flower Vases	165, 192
Forks	158
Formaldehyde	88
Fountains	178
Fruit Picker	163
Fruit Presses	163
Fumigators	167
Fungicide	188
Fungitrogen	187, 188
Garden Line	159
Garden Rakes	156
Garden Reels	159
Garden Tool Sets	157
Getz There Soap	188
Glass Clamps	172
Glass Cleaner	172, 177
Glass Cutters	172
Glazing Cement	172
Glazing Gun	172
Glazing Points	172
Glazing Putty	172
Gloves	160
Grafting Tool	162
Grafting Wax	162, 177
Grape Bags	163
Grape Dust	188
Grape Grinder	163
Grape Scissors	163
Grass and Grain Fertilizer	190
Grass Catchers	150
Grass Hooks	153
Grass Seeds	145
Grass Shears	155
Gravel Rakes	156
Greenhouse Paint	172
Grindstone	145
Hammers	159
Hanging Baskets	175
Harrows	144
Hatchets	159
Hay and Feed Cutters	162
Heaters	177
Hedge Knives	160
Hedge Shears	160
Hedge Trimmers	161
Hellebore	188
Hoes	156, 157
Hog Manure	190
Horn Shavings	190
Horse Boots	148
Hortobacco	184, 190
Hose	166
Hose Bands	166
Hose Connections	166
Hose Couplings	166
Hose Coupling Parts	166
Hose Menders	166
Hose Nozzles	166, 167
Hose Reducers	166
Hose Reels	166
Hose Washers	166
Hotbed Mats	174
Hotbed Sash	174
Husking Pins	151
Humus	190, 191
Hyacinth Stakes	176
Hydrant Attachment	166
Hydrometers	189
Implement Handles	157
Incubators	179
Inoculating Bacteria	84, 190
Insecticides	188, 189
Insectrogen	187, 188
Japanese Beetle Spray	185, 188
Jardiers	174
Kainit	191
Kerosene Emulsion	188
Knives	160
Labels	175
Ladders	162
Land Plaster	191
Lawn Cleaners	148
Lawn Dressing and Fertilizer	190
Lawn Guards	165
Lawn Mowers	149, 150, 151, 152
Lawn Mower Oil	153
Lawn Mower Sharpener	149
Lawn Rakes	156
Lawn Sand	185, 191
Lawn Signs	165
Lawn Sprinklers	171
Lawn Trimmers	150, 151
Lawn Weeder	153
Leaf Mould	177
Leaf Racks	148

IMPLEMENTS, SUNDRIES, ETC.—Con.

	Page
Lemon Oil	188
Lime	191
Limestone	191
Lime Sulphur	189
Liquid Manure Distributor	170
Lopping Shears	161, 162
Mag-O-Tite	189
Manure	190, 191
Manure Drags	157
Manure Forks	158
Marking Pencils	175
Marking Rake	156
Mastica	172
Mastic Machine	172
Masticote	172
Mats	174
Mattocks	159
Measures	163
Mehler Handy Tools	156
Melon Nets	68
Melrosine	189
Mole Traps	145
Mo-Lo	189
Monkey Wrenches	159
Moss	177
Mouse Traps	162
Mowers	149, 150, 151, 152
Mulford Culture	84, 191
Mum Manure	184, 191
Muriate of Potash	191
Netting	164
Niagara Dusts	186, 189
Nico Fume	189
Nico Fume Fumigating Powder	189
Nikoteen	189
Nitragin	84, 191
Nitrate of Soda	191
No Gunning Signs	165
Nozzles	166, 167, 170
Nozzle Holder	166
Oat Sprouter	179
Oil Cans	153
Old Gardener Fertilizer	184
Paper	175
Para-Dichlorobenzene	189
Paris Green	189
Pearl Chips	177
Peat	177
Pea Trellises	73, 164
Pebbles	177
Peony Support	164
Phosphate	190, 191
Picks	159
Plant Food	191
Plant Labels	175
Plant Spray	186, 189
Plant Stakes	176
Plant Stands	174
Planet Jr. Tools	146
Plant Supports	164
Plant Tuos	192
Plow Line Cotton	159
Pliers	159
Plows	144, 146, 147
Poles	168, 176
Porch Boxes	173
Post Hole Diggers	158
Potato Digger	146
Potato Knife	75
Potato Fertilizer	191
Potato Scab Destroyer	75
Pots	192
Pot Brackets	174
Pot Hangers	175, 192
Pot Labels	175
Poultry Supplies	178 to 182
Powder Gun	168
Pruners	160, 161
Pruning Compound	177
Pruning Gloves	160
Pruning Saws	161
Pruning Shears	160
Pulverizers	146, 162
Putty	172
Putty Distributor	172
Pyrrox	189
Raffia and Raffia Tape	52, 177
Rakes	155, 156
Rat Traps	162
Reels	159, 166
Road Brushes	155
Road Scoops	145
Rollers	154
Roofing Paper	175
Root Cutters	162
Rose Food	191
Rubber Aprons	167
Rubber Hose	166
Rubber Sprinklers	167
Rubbish Baskets	148
Rubbish Consumers	148
Rustic Bark	173
Rustic Furniture	173
Salt	52, 191
Salt Bricks	179
Sand	177
Sash	174

IMPLEMENTS, SUNDRIES, ETC.—Con.

	Page
Saucers	192
Saw Horse	162
Saws	161, 162
Scalecide	189
Scrapers	156, 159
Screw Drivers	159
Scuffle Hoes	157
Scythes	153
Scythe Snathes	153
Scythe Stones	153
Seeders	145, 146
Semesan	84, 191
Shadiner	177
Shading Cloth	174
Shears	155, 160, 161, 162
Sheep Manure	191, 2nd Cover
Shoo Fly	189
Shovels	157
Sickles	153
Sieves	162
Single Trees	144
Slug Shot	189
Snagdragon Supports	164
Snow Shovels	157
Soap Spray	189
Sod Cutter	153
Sod Lifters	155
Sod Perforator	148
Sod Tamper	148
Soil	177
Soil Pulverizers	162
Soot	191
Spades	157
Spading Forks	158
Sparrow Trap	183
Sprayers	167, 168, 169, 170
Spray Oil (Sunoco)	189
Sprinklers	167, 171
Squirrel House	183
Stakes	176
Stake Fasteners	176
Stim-U-Plant	185, 191
Strainer	170
Sulphate of Ammonia	191
Sulphate of Copper	189
Sulphate of Potash	191
Sulphur	191
Sulphur Blower	167
Sulphur Candles	189
Sun Dials	159
Supports	164
Syringes	170
Tanglefoot Fly Spray	189
Tankage	148
Tennis Court Markers	191
Terogen	187, 189, 191
Thermometers	70, 172
Thermostats	172
Thrip Juice	189
Tinfoil	177
Tobacco Dust	189
Tobacco Soap	189
Tobacco Stems	189, 191
Tomato Support	164
Toothpicks	177
Torches	168
Trap Nest Front	179
Trap	145, 162
Tree Brushes	159
Tree Guards	165
Tree Labels	175
Tree Paint	177
Tree Pruners	161
Tree Scraper	159
Tree Tanglefoot	161
Trellises	73, 114, 164, 165
Trellis Holder	192



MICHELL'S RELIABLE GRASS SEEDS

Our grass seeds are rigidly tested for purity and germination at the growing point, in the laboratories of the United States Department of Agriculture and by ourselves, and will be found of highest average. We make special formulas to suit various soils, climatic and local conditions. Our grass mixtures as sold have been based on many tests and on years of careful study; they are properly blended and will give splendid satisfaction.

Quantity to Sow for Lawns. From very exhaustive tests and experiments, we have found that in general too small a quantity has been recommended in the past; it requires sufficient seed to be sown if you want a quick permanent effect. On a small scale a quart will usually seed a space of 10 x 10 feet though twice that quantity is better; 6 to 8 or 10 bushels of 20 lbs. per bushel on new ground without grass, is the proper quantity per acre; 1 peck is needed for a space of 1000 square feet; $\frac{1}{2}$ bushel for a space 2000 square feet; 1 bushel for a space 4000 square feet or say 40 x 100 feet. For Putting Greens we advise 100 lbs. of seed for greens 100 x 100 feet. For Fairways, 8 to 10 bushels per acre. For Pasture and Hay Fields, 4 to 5 bushels per acre, based on a 20 pound bushel.

If Mixed Grass Seeds are wanted by parcel post, add for postage as follows: 5c. for 1 pt.; 10c. for 1 qt.; 10c. for 2 qts.; 15c. for 4 qts.; 20c. per peck; 30c. per $\frac{1}{2}$ bu.; 50c. per bu.

Clover Lawn Grass Seed. The increasing demand for a grass seed mixture, containing a larger proportion of White Lawn Clover induced us to offer this brand; mixed with a liberal quantity of the best re-cleaned White Clover, which is peculiarly suited to take firm hold and grow quickly on hard or worn-out spots which sunburn easily. Splendid for seashore lawns. 30 lbs. per bu.

Price, 30c. per pt.; qt., 60c.; \$1.10 for 2 qts.; 4 qts., \$2.10; \$4.00 per pk.; bu., \$15.00.

"Top Notch" Lawn Grass Seed. The top notch of quality. A perfectly blended combination of quick growing, very compact, fine bladed grasses that will produce a perfect lasting turf in a few weeks. 25 lbs. per bu.

Price, 30c. per pt.; qt., 50c.; 90c. for 2 qts.; 4 qts., \$1.75; \$3.25 per pk.; bu., \$12.50.

Green Velvet Lawn Grass Seed. The result of many years of untiring experimenting, and will produce a perfect turf; composed of close growing, fine leaved hardy grasses, which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color. 20 lbs. per bu.

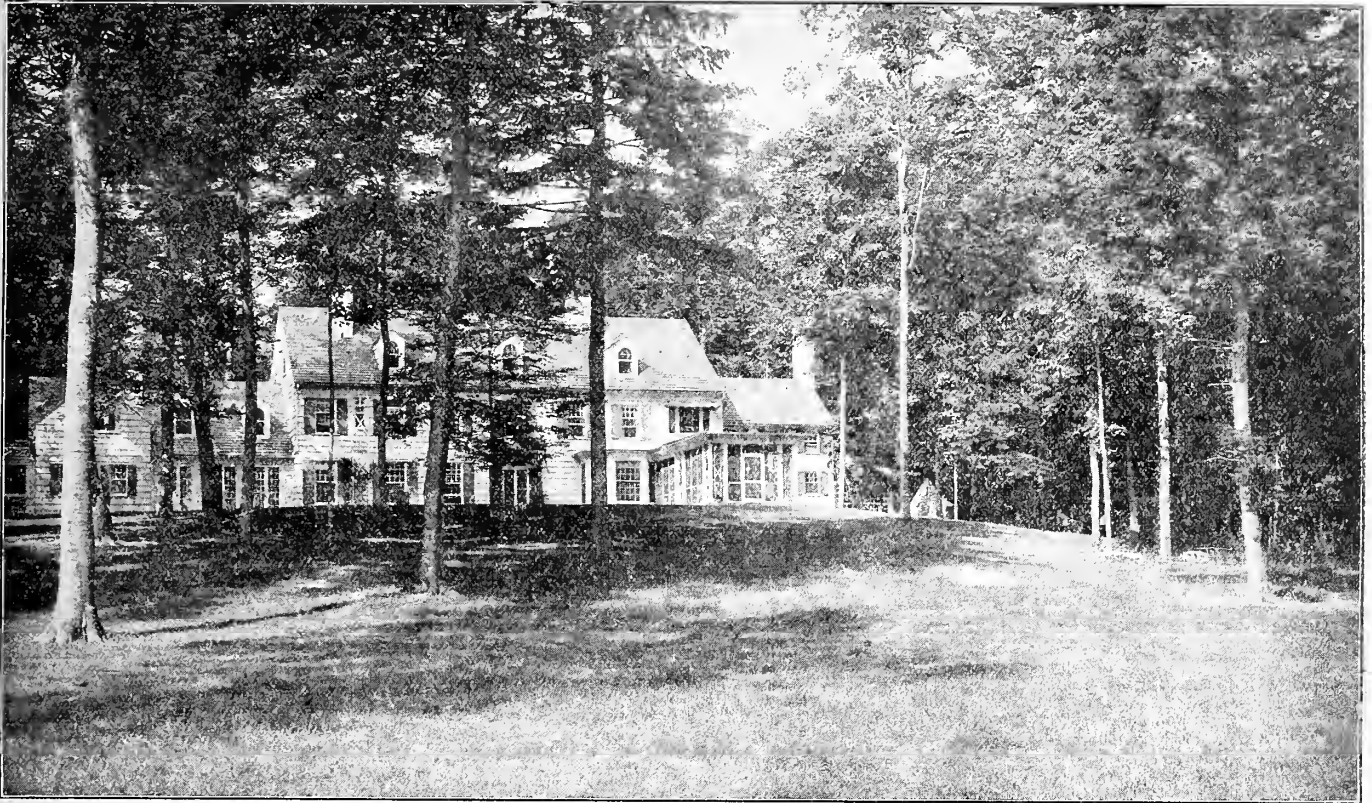
Price, 25c. per pt.; qt., 45c.; 85c. for 2 qts.; 4 qts., \$1.50; \$2.75 per pk.; bu., \$10.00.

Evergreen Lawn Grass Seed. This is composed of the finest native and foreign short growing and fine bladed grasses, and will form a perfect turf. It weighs 20 lbs. per bushel, and every kernel is full of vitality.

Price, 20c. per pt.; qt., 35c.; 70c. for 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00.

Seashore Lawn Grass Seed. If 3 or 4 inches of top soil is spread over the surface, and well firmed, an application of Michell's Special Formula Seashore Lawn Mixture will produce a good lawn in 6 to 8 weeks. An occasional application of pure Sheep Manure during the spring, summer and fall months will increase the strength and color of the grass. Our formula has been thoroughly tested out in various localities. If the soil is exceptionally poor, and it is not possible to apply a layer of top soil, white Clover will help to make the sod thick, and also protect the grass. 20 lbs. per bu.

Price, 25c. per pt.; qt., 45c.; 85c. for 2 qts.; 4 qts., \$1.50; \$2.75 per pk.; bu., \$10.00.



MICHELL'S RELIABLE GRASS SEEDS

See Page 4 for recommendations for quantities required to sow an acre.

If Mixed Grass Seeds are wanted by parcel post, add for postage as follows: 5c. for 1 pt.; 10c. for 1 qt.; 10c. for 2 qts.; 15c. for 4 qts.; 20c. per peck; 30c. per $\frac{1}{2}$ bu.; 50c. per bu.

Shaded Lawn Grass Seed. Shaded locations have often been found difficult to keep in grass. We have combined a mixture of grasses that will produce a perfect sward in the most densely shaded place. It must be borne in mind that too much shade creates sour soil, and to guard against this apply air-slacked lime (or land plaster where the former is not available) at the rate of 1 bushel to each 1000 square feet. 20 lbs. per bu.

Price, 25c. per pt.; qt., 45c.; 85c. for 2 qts.; 4 qts., \$1.50; \$2.75 per pk.; bu., \$10.00.

Southern States Evergreen Lawn Grass Seed. In the southern states especially below Virginia, it is extremely hard to establish a permanent lawn, if the proper combination of grasses are not used; after exhaustive tests and experiments we are pleased to state that our Southern States Evergreen Grass Seed Mixture will come up to the most sanguine expectations. Especially for dry, hot localities. 20 lbs. per bu.

Price, 20c. per pt.; qt., 40c.; 75c. for 2 qts.; 4 qts., \$1.30; \$2.25 per pk.; bu., \$8.50.

Terrace or Embankment Grass Seed. It is usually difficult to establish turf on steep inclines or on terraces. This mixture is composed of deep rooting varieties which will give satisfactory results. 20 lbs. per bu.

Price, 25c. per pt.; qt., 45c.; 85c. for 2 qts.; 4 qts., \$1.50; \$2.75 per pk.; bu., \$10.00.

Putting Greens Mixture. This is a quick-growing mixture of short, fine-bladed grasses. In sowing Putting Greens it is wise economy to be very liberal with the seed, as they are subjected to continuous hard use. We do not recommend less than 100 lbs. to a green 100 ft. square. 25 lbs. per bu.

Price, 40c. per pt.; qt., 75c.; \$1.40 for 2 qts.; 4 qts., \$2.50; \$4.75 per pk.; bu., \$18.00.

Special Sod Grass Seed. A quick growing mixture, making a tough and heavy sod in a short time. 20 lbs. per bu.

Price, 25c. per pt.; qt., 45c.; 85c. for 2 qts.; 4 qts., \$1.50; \$2.75 per pk.; bu., \$10.00.

Fairmount Park Lawn Seed. A mixture meeting the requirements of those desiring a moderately priced grass seed. 20 lbs. per bu.

Price, 15c. per pt.; qt., 30c.; 55c. for 2 qts.; 4 qts., \$1.00; \$1.90 per pk.; bu., \$7.00.

Michell's Fairways (Golf Course) Mixture. Composed of short-growing, deep-rooted varieties that resist wear. Fairways to retain their permanency should receive additional sowings during the season. 20 lbs. per bu.

Price, 25c. per pt.; qt., 40c.; 75c. for 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00.

Michell's Athletic Field Grass Seed. A special mixture of deep rooting, fine leaved grasses, especially suited for Baseball, Football and Cricket Grounds. 20 lbs. per bu.

Price, 20c. per pt.; qt., 40c.; 75c. for 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00.

Michell's Teeing Grounds Mixture. Used on golf course tees or in other places where a tough, resisting turf is wanted. 20 lbs. per bu.

Price, 25c. per pt.; qt., 45c.; 85c. for 2 qts.; 4 qts., \$1.50; \$2.75 per pk.; bu., \$10.00.

White Clover. Choicest re-cleaned, for sowing on lawns, pastures, etc. White Clover is particularly desirable where the soil is poor and sandy; it also does well at seashore resorts where it is difficult to establish grass. Sow 10 to 12 lbs. per acre (60 lbs. per bu.).

Price, 5c. per pkt.; 10c. per oz.; $\frac{1}{4}$ lb., 25c.; 45c. per $\frac{1}{2}$ lb.; lb., 85c.; \$4.00 per 5 lbs.; 10 lbs., \$7.75; \$45.00 per bu. of 60 lbs.; 100 lbs., \$75.00.

If wanted by parcel post, add for postage, as follows: 5c. for $\frac{1}{2}$ lb.; 10c. for 1 lb.; 20c. for 5 lbs.; 30c. for 10 lbs.



MICHELL'S RECLEANED GRASS SEEDS

If Mixed Grass Seeds are wanted by parcel post, add for postage as follows: 5c. for 1 pt.; 10c. for 1 qt.; 10c. for 2 qts.; 15c. for 4 qts.; 20c. per peck; 30c. per $\frac{1}{2}$ bu.; 50c. per bu.

MICHELL'S PERMANENT PASTURE GRASS SEED

It is a well ascertained fact that thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two; the object to be attained is a constant, successive growth of rich pasturage from Spring until Fall. This mixture is a decided advantage over the usual timothy and clover seed formula, which at their best last usually two seasons. Our mixture of "Permanent Pasture" is a combination of hardy grasses, that will last for years, tho we advise re-sowing them lightly each season in spaces that are bare; attention like this will assure a continuous supply of nutritious pasture. Sow at the rate of 4 to 5 bushels (20 lbs. per bushel) per acre on new land, or about $\frac{1}{2}$ that quantity for renovating.

Price, 20c. per pt.; qt., 35c.; 60c. for 2 qts.; 4 qts., \$1.10; \$1.75 per pk.; bu., \$6.50; \$30.00 per 100 lbs.

MICHELL'S PERMANENT HAYFIELD GRASS SEED

The old custom of depending upon hayseed sown with wheat is fast passing into the discard. Michell's Hay field Mixture sown early in April will yield a crop of hay the same summer, while the old method requires waiting almost two years—a valuable lot of time lost. Our mixture is composed of a variety of high-grade, hardy grasses and clovers, one sowing of which will last a number of years. Sow at the rate of 4 to 5 bushels per acre (20 lbs. per bushel) on new land, or about $\frac{1}{2}$ that quantity for renovating.

Price, 20c. per pt.; qt., 35c.; 60c. for 2 qts.; 4 qts., \$1.10; \$1.75 per pk.; bu., \$6.50; \$30.00 per 100 lbs.

See pages 4 and 5 for Grass Mixtures for Lawns, etc.

Testimonial

St. James, L. I., N. Y.

In all my long experience, I have never seen such a high percentage of germination of Grass Seeds as that purchased from you, the Greens and Fairways after 3 weeks, already look like old established turf. The seed was absolutely first class.

D. E.

Testimonial

St. Matthews, Ky.

I have 12 acres, the best stand you ever saw, from your Special Sod Mixture.

W. H. L.

Testimonial

Merion, Pa.

Your Green Velvet Lawn Grass Seed is a winner. In just 5 weeks I had the finest sod you ever saw, and ready for mowing.

S. A.

MICHELL'S RELIABLE GRASS SEEDS

7

SEPARATE VARIETIES

All Strictly Recleaned and Carefully Tested for Purity and Germination.

On account of the fluctuations of the market, the prices quoted on separate varieties of Grass Seeds are subject to change. We endeavor at all times to maintain our prices as low as possible, consistent with quality. Please send us your inquiries and orders for Grass Seeds in separate varieties, stating quantities wanted and we will give them our best attention.

If separate varieties of Grass Seeds are wanted by Parcel Post, add 10c. per lb.; 30c. per 10 lbs., for postage; larger quantities by express or freight.

Bent Grass, Colonial or Velvet. A very fine bladed grass, producing a thick turf; especially valuable for putting greens. \$1.35 per lb.; 10 lbs., \$12.50; \$28.75 per 25 lbs.; 100 lbs., \$105.00.

Bent Grass, South German Mixed. Sometimes referred to as Creeping Bent. Admirably adapted for lawns, also putting greens, tennis courts, etc.; sow 100 lbs. on a putting green 100 feet square. \$1.35 per lb.; 10 lbs., \$12.50; \$28.75 per 25 lbs.; 100 lbs., \$105.00.

Bermuda Grass. For sowing as far North as Washington, D. C., above which latitude it is not hardy. 55c. per lb.; 10 lbs., \$5.25; \$12.75 per 25 lbs.; 100 lbs., \$50.00.

Blue Grass, Fancy Kentucky (*Poa Pratensis*). Our stock of this is extra fine, thoroughly recleaned; sow 70 to 85 lbs. per acre on lawns, 50 to 70 lbs. on pasture fields. 50c. per lb.; 10 lbs., \$4.50; \$10.00 per 25 lbs.; 100 lbs., \$37.50.

Blue Grass, Canadian (*Poa Compressa*). Makes an ideal pasture, highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed. 45c. per lb.; 10 lbs., \$4.00; \$8.75 per 25 lbs.; 100 lbs., \$32.50.

Creeping Bent. See South German Mixed Bent.

Crested Dogtail (*Cynosurus Cristatus*). Excellent as a pasture and lawn grass. Sow 80 to 100 lbs. per acre. 65c. per lb.; 10 lbs., \$6.00; \$14.50 per 25 lbs.; 100 lbs., \$56.00.

Fescue, Chewing's New Zealand (*Festuca Chewing's*). Especially recommended for putting greens and lawns. 50c. per lb.; 10 lbs., \$4.75; \$11.25 per 25 lbs.; 100 lbs., \$42.50.

Fescue, Creeping (*Festuca Rubra*). Very valuable for sowing on sandy soil and in shaded places; also on putting greens. 50c. per lb.; 10 lbs., \$4.75; \$11.25 per 25 lbs.; 100 lbs., \$42.50.

Fescue, Fine Leaved (*Festuca Tenuifolia*). This grass is especially valuable for dry soils. Sow 70 to 85 lbs. per acre. 70c. per lb.; 10 lbs., \$6.50; \$15.50 per 25 lbs.; 100 lbs., \$60.00.

Fescue, Hard (*Festuca Duriuscula*). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 80 to 100 lbs. per acre. 50c. per lb.; 10 lbs., \$4.50; \$10.65 per 25 lbs.; 100 lbs., \$40.00.

Fescue, Meadow (*Festuca Pratensis*). Sow 100 lbs. per acre. 40c. per lb.; 10 lbs., \$3.80; \$9.25 per 25 lbs.; 100 lbs., \$36.00.

Fescue, Red (*Festuca Rubra*). Valuable for putting greens; also for sowing on sandy soil and in shaded places. 55c. per lb.; 10 lbs., \$5.25; \$12.75 per 25 lbs.; 100 lbs., \$50.00.

Fescue, Sheep's (*Festuca Ovina*). This makes an excellent grass for sowing on lawns, fields or pleasure grounds. Sow 80 to 100 lbs. per acre. 50c. per lb.; 10 lbs., \$4.50; \$10.65 per 25 lbs.; 100 lbs., \$40.00.

Herd or Red Top, Fancy Recleaned. This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 35 lbs. per acre. 60c. per lb.; 10 lbs., \$5.50; \$13.50 per 25 lbs.; 100 lbs., \$50.00.

Herd or Red Top, Unhulled (*Agrostis Vulgaris*). Sow 60 to 80 lbs. per acre on lawns, or 50 to 60 lbs. on pasture lands. 40c. per lb.; 10 lbs., \$3.75; \$8.75 per 25 lbs.; 100 lbs., \$32.00.

Orchard Grass (*Dactylis Glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 50 lbs. per acre. 35c. per lb.; 10 lbs., \$3.25; \$7.50 per 25 lbs.; 100 lbs., \$27.00.

Rhode Island Bent. For sowing at seashore resorts, on putting greens, tennis courts, etc.; sow 100 lbs. on a putting green 100 ft. square. \$1.40 per lb.; 10 lbs., \$13.50; \$33.00 per 25 lbs.; 100 lbs., \$130.00.

Rough Stalked Meadow (*Poa Trivialis*). A splendid grass for shady places and valuable for use in golf course turf formation. Sow 100 lbs. per acre. 75c. per lb.; 10 lbs., \$7.25; \$17.50 per 25 lbs.; 100 lbs., \$67.50.

Rye Grass, English or Perennial (*Lolium Perenne*). (*Pacey's Fancy Short Seeded*). This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 100 to 120 lbs. per acre. 30c. per lb.; 10 lbs., \$2.75; \$6.25 per 25 lbs.; 100 lbs., \$22.50.

Rye Grass, Italian (*Lolium Italicum*). Very desirable for pasture; it comes to maturity the first season; the ideal seed for southern lawns in winter. Sow 100 lbs. per acre. 25c. per lb.; 10 lbs., \$2.25; \$4.75 per 25 lbs.; 100 lbs., \$17.50.

Sudan Grass Seed (*Annual*). This belongs to the forage crops and is allied to the millets. Sow 16 to 24 lbs. per acre. 15c. per lb.; 10 lbs., \$1.25; \$2.75 per 25 lbs.; 100 lbs., \$10.00.

Sweet Vernal (*Annual*). For sowing among grass to impart a sweet odor which is evident at mowing time. Sow 5 lbs. per acre. 40c. per lb.; 10 lbs., \$3.75; \$8.75 per 25 lbs.; 100 lbs., \$32.50.

Sweet Vernal (*Perennial*). Sow 5 lbs. per acre. \$1.00 per lb.; 10 lbs., \$9.00; \$21.25 per 25 lbs.; 100 lbs., \$80.00.

Timothy (*Phleum Pratense*). Sow 25 lbs. per acre alone. 20c. per lb.; 10 lbs., \$1.50; \$3.15 per 25 lbs.; 100 lbs., \$11.50.

Wood Meadow (*Poa Nemoralis*). The best grass for sowing under trees where a lawn is desired. Sow 75 to 100 lbs. per acre. 85c. per lb.; 10 lbs., \$8.25; \$20.00 per 25 lbs.; 100 lbs., \$75.00.

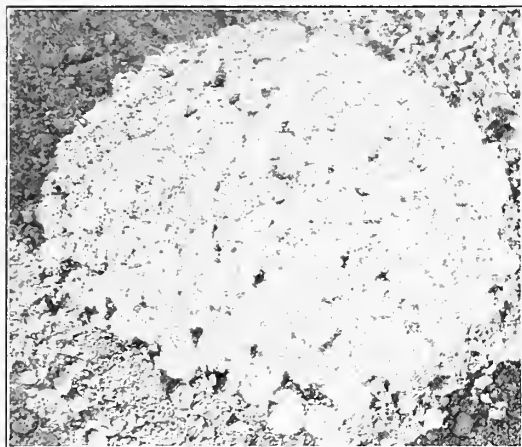
WHITE DUTCH LAWN CLOVER

Splendid for sowing among grass on lawns and other places where a thick, quick growth is desired; especially adapted for seashore lawns. 5c. per pkt.; oz., 10c.; 25c. per $\frac{1}{4}$ lb.; $\frac{1}{2}$ lb., 45c.; 85c. per lb.; 5 lbs., \$4.00; \$7.75 for 10 lbs.; per bu. of 60 lbs. \$45.00; \$75.00 per 100 lbs.

If wanted by Parcel Post, add for postage as follows: 5c. for $\frac{1}{2}$ lb.; 10c. for 1 lb.; 20c. for 5 lbs.; 30c. for 10 lbs.; larger quantities by express or freight.

MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS FOR 1927

FOR GENERAL LIST OF FLOWER SEEDS SEE PAGES 11 TO 47



Alyssum, Michell's Bouquet

ALYSSUM, MICHELL'S BOUQUET

This new variety is of exceedingly dwarf and compact growth, very free flowering, plants forming a perfect bouquet of miniature white flowers. A perfect gem for edging. Commences to bloom when plants are very small and continues until frost. We have an extra fine strain of this variety. Per pkt., 10c.; 30c. per large pkt.; oz., \$1.25.

ASTER, CALIFORNIA GIANT

See Color Plate Opposite.

A new variety with flowers of the Crego type, and with the habit of growth and long stems of the Beauty type. Flowers large and stand up well after being cut. Their immense size and beauty as well as their long stems make them very attractive.

	Large pkt.	Pkt.
Dark Purple.....	\$0.75	\$0.25
Deep Rose.....	.75	.25
Light Blue.....	.75	.25
Peach Blossom.....	.75	.25
White.....	.75	.25
Mixed Colors.....	.75	.25
Collection, one packet each, 5 colors, as per color plate,	\$1.00.	

GIANT SINGLE ASTER SOUTHCOTE BEAUTY

A splendid variety of Giant Single Aster which are becoming exceedingly popular; the flowers have long, perfectly formed curved petals with golden centers; unrivaled for cutting and house decoration; 1½ feet.

	Oz.	Large pkt.	Pkt.
Lavender.....	\$2.25	\$0.60	\$0.15
Pink.....	2.25	.60	.15
Purple.....	2.25	.60	.15
Scarlet.....	2.25	.60	.15
White.....	2.25	.60	.15
Choice Mixed.....	2.25	.60	.15
Collection, one packet each of above, 5 Colors,	60c.		

TESTIMONIAL.

Temperance, Mich.

My order received and am very much pleased with the quality and quantity of the seeds. In four days the Aster seed had germinated to almost a stand.

C. E. S.

NEW ANTIRRHI- NUMS

(Snapdragon)

One of the showiest of our garden flowers, blooming profusely and continuously throughout the summer. Valuable both as a cut flower for home decoration or for bedding. The varieties offered below are also excellent for forcing.

Eclipse (New). Semi-dwarf. An attractive blood-red crimson; splendid for bedding. Pkt., 15c.; 60c. per large pkt.

Geneva Pink. Glistening rose pink. Original large pkt., \$3.00.

Harmony. A giant strain. Beautiful terra cotta orange, shaded rose. Pkt., 10c.; 30c. per large pkt.

Orlando. Large flowers of a beautiful bronze color. Pkt., 25c.; \$1.00 per large pkt.

Philadelphia Pink. Considered to be the finest pure pink; an exquisite shade; flowers large on stout stems. Pkt., 25c.; 75c. per large pkt.

Philadelphia Pink. Original large pkt., \$1.25.

Silver Pink. Large flowers on long stems. Pkt., 25c.; 75c. per large pkt.



Antirrhinum, Maximum

MAXIMUM VARIETIES

These splendid new varieties of the Maximum type of Antirrhinums are the finest of this popular flower. In habit they are slightly taller than the Majus group; flowers are of magnificent size.

Canary Bird. Flowers extra large; color canary yellow, with golden yellow center. Pkt., 25c.; 50c. per large pkt.

Cattleya. Flowers silvery rosy lilac with golden yellow lip; large flowering. Pkt., 25c.; 50c. per large pkt.

Copper King. Coppery scarlet, turning into a pure copper color. Pkt., 25c.; 50c. per large pkt.

Snowflake. Blooms extra large and well formed; lovely white with yellow throat. Pkt., 25c.; 50c. per large pkt.

Mixed. Maximum varieties, including the above with many new shades. Pkt., 25c.; 40c. per large pkt.

Michell's Asters—California Giant



	Pkt	Large Pkt.
Dark Purple . .	.25	.75
Deep Rose . .	.25	.75
Light Blue . .	.25	.75
Peach Blossom .	.25	.75
Pure White . .	.25	.75
Mixed Colors . .	.25	.75

Collection, one regular pkt. each, above 5 colors, \$1.00. One large pkt. each of the above 5 colors, \$3.00

Postpaid

8A MICHELL'S NOVELTIES AND SPECIALTIES IN FLOWER SEEDS

TWO NEW BEGONIAS

These are of the Semperflorens type which are very popular for pot culture or bedding.

Albert Martin. Bright crimson scarlet with dark foliage; flowers extra large. Pkt., 25c.; \$1.00 per large pkt.

Glory of Erfurt. (*Improved*). A fine novelty; very large, rosy carmine flowers; the best bedding variety to date. Pkt., 25c.; \$1.25 per large pkt.



Caelindula, Ball's Strain

CALENDULA, BALL'S STRAIN

A new variety of upright growth and producing on long stems, large, bright glowing orange flowers, which are uniformly double. An excellent variety for forcing. Pkt., 25c.; 60c. per large pkt.

CHABAUD'S GIANT CARNATIONS

Blooms in four to five months after being sown and continues to bloom throughout the summer; flowers of fine substance and usually produce 90 percent double flowers.

	Large pkt.	Pkt.
Jeane Dionis. Pure white.....	\$0.75	\$0.15
Sparkler. Brilliant cardinal red.....	.75	.15
The Pearl. Beautiful rose pink.....	.75	.15
Choice Mixed.....	.60	.15



Candytuft, Michell's Giant White

CANDYTUFT, Michell's Giant White

Produces giant spikes of pure white flowers, resembling Hyacinths; the finest variety for greenhouse culture and unsurpassed for outdoor bedding. Pkt., 10c.; 25c. per large pkt.; oz., 60c.

DELPHINIUM (Larkspur) BLUE BUTTERFLY

An annual variety of the well known Larkspur, producing large, brilliant blue spikes of flowers; of compact habit. Blooms very freely from seed sown in early spring. Per pkt., 15c.; 50c. per large pkt.; oz., \$2.25.

DELPHINIUM (Larkspur) WHITE BUTTERFLY

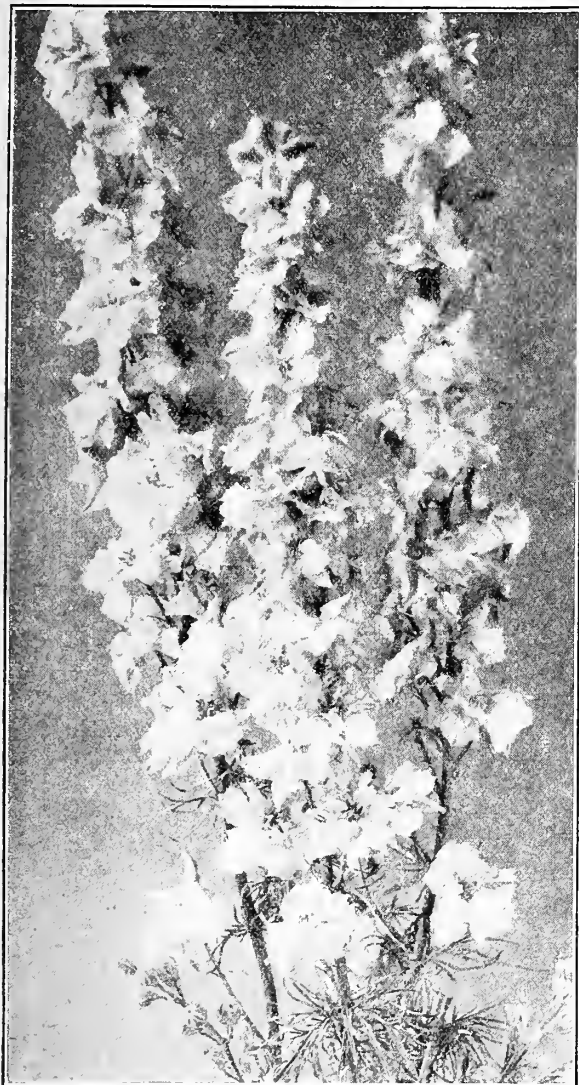
A splendid white flowering type of the above. Per pkt., 15c.; 50c. per large pkt., oz., \$2.25.



Carnation, Chabaud's Giant

CHRYSANTHEMUM MAXIMUM COLOSSAL QUEEN

A magnificent new variety of this hardy perennial plant, producing an enormous quantity of extra large, pure white flowers; splendid for cutting. Pkt., 25c.; \$1.00 per large pkt.



New Annual Larkspur, Exquisite

ANNUAL LARKSPUR EXQUISITE

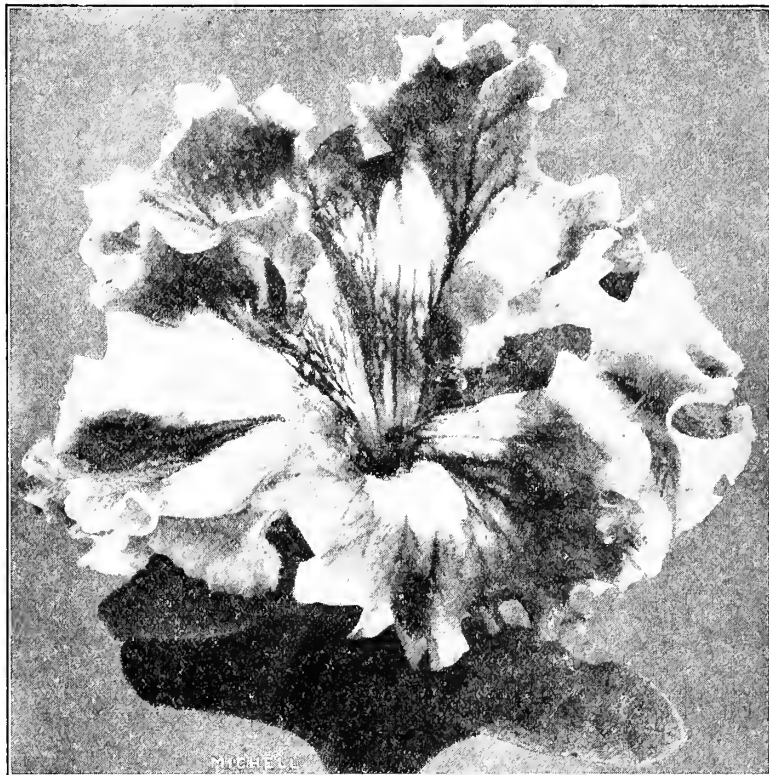
A new and much wanted color in the splendid double stock flowered type. The color is a soft yet bright rose color, that makes a charming and effective bunch when cut and equally as effective in the garden. Per pkt., 25c.; 40c. per large pkt.

EMPEROR LARKSPUR PINK DELIGHT

A splendid new annual variety, suitable either for bedding or pots; of compact growth, about 2 feet in height; color, soft, yet bright rose pink. Per pkt., 25c.; 50c. per large pkt.

LOBELIA ERINUS BLUE BIRD

A new dwarf, compact variety; plants completely covered with masses of bright blue flowers. Pkt., 20c.; \$1.00 per large pkt.



Petunia, Michell's Monstrosus

LARGE FLOWERING PETUNIA "MICHELL'S MONSTROSUS"

A great acquisition to the list of Large Flowering Petunias, surpassing the well-known Giants of California. The flowers are extremely large, quite a number of which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt., 25c.; 85c. per large pkt.

PRIMULA OBCONICA GIGANTEA MONSTER STRAIN

An extra large flowering type of this popular Primula, which are great favorites for house and conservatory decorations. Seeds grown for us by a specialist.

Large pkt. Pkt.

Apple Blossom. Soft pink.....	\$1.25	\$0.40
Kermesina. Deep crimson.....	1.25	.40
Deep Rose. Brilliant.....	1.25	.40
Rosea. Pink.....	1.25	.40
Salmon Queen.....	1.25	.40
Mixed Colors.....	1.25	.40

NEW RICINUS OR CASTOR OIL PLANT "RED SPIRE"

The shapely, bushy plants attain a height of about 6 feet, with pretty palmate leaves of a bronzy green with prominent red ribs and veins and producing through the summer and autumn numerous spikes of flowers or seed pods 9 to 18 inches long, of a brilliant rosy crimson; altogether a most effective semi-tropical plant, valuable alike for its foliage and flowers and like other Ricinus, absolutely insect-proof. As single specimens or in beds on the lawn, for filling up a corner, or making a hedge or line, this is one of the most ornamental plants ever introduced. Per pkt., 15c.; 40c. per oz.



Scabiosa, Grandiflora

SCABIOSA GRANDIFLORA EXCELLENT NEW VARIETIES

Peach Blossom. A fine variety, with splendid large flowers on long stems; color, a beautiful shade of peach blossom pink; excellent for cutting. Per pkt., 25c.; 60c. per large pkt.

Shasta. Identical with the above, excepting the color, which is pure white; flowers of enormous size. Per pkt., 25c.; 60c. per large pkt.

ZINNIA NEW GIANT DAHLIA FLOWERED

(See Color Plate Opposite.)

This splendid new and distinct race is without doubt the greatest improvement in Zinnias yet developed and will greatly increase the popularity of this flower. The plants are of strong, vigorous habit, from 2½ to 3 feet high, and produce mammoth flowers 4 to 6 inches across and 2½ to 3 inches deep. The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers so closely resembling decorative Dahlias, that when placed by their side, it is difficult to distinguish one from the other. This new type is also valuable for growing under glass for cutting. Large pkt. Pkt.

Crimson Giant. By far the largest and best of the red shades; plants very vigorous. \$0.50 \$0.20

Dream. A fine deep lavender turning to purple, a new, desirable shade in Zinnias. .50 .20

Exquisite. One of the most pleasing in the collection; truly Dahlia-flowered as regards form and size; color, light rose, with deep rose center. .50 .20

Golden State. A very rich orange yellow; yellow in the bud, turning to an attractive orange when in full bloom. .50 .20

Old Rose. A very desirable shade; flowers large and of fine form. .50 .20

Oriole. One of the most beautiful of its class; an immense orange and gold bi-color, changing slightly as it ages, but at all times worthy of the beautiful bird for which it was named. .50 .20

Polar Bear. A very large pure white; the best white yet seen in Zinnias. .50 .20

Scarlet Flame. A large, beautiful bright scarlet, with a delightful blending of orange throughout the petal. .50 .20

Mixed Colors. A well blended mixture, covering a wide range of colors and shades (oz., \$1.50). .30 .15

Collection. One packet each of above 8 separate varieties for \$1.25.

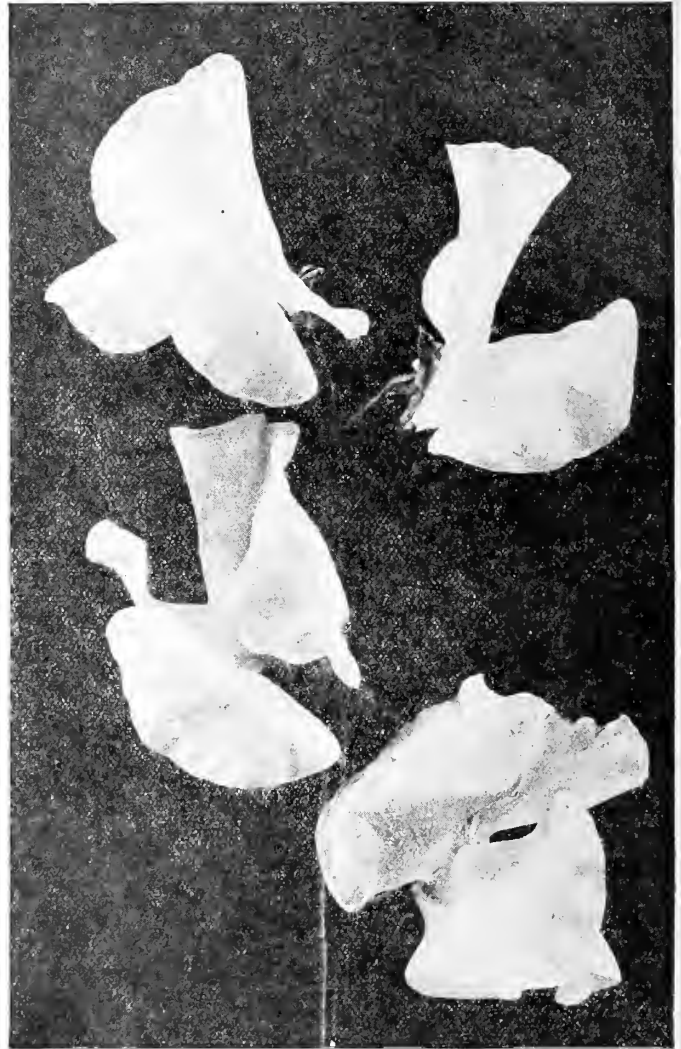
Collection. One large packet each of above 8 separate varieties for \$3.50.

STATICE (Sea Lavender)

The annual Statice have become extremely popular, especially for cutting for house decoration; the cloud-like masses of flowers make borders gay for a long time, while their delicate coloring and light graceful habit are a great help to Helichrysms and other everlasting flowers; 2 feet.

Large pkt. Pkt.

Bonduelli. Golden yellow.....	\$0.30	\$0.10
Sinuata Blue.....	.30	.10
“ Lavender.....	.30	.10
“ Rosea Superba.....	.30	.10
“ White.....	.30	.10
“ Mixed.....	.25	.10



Sweet Pea, Snowball

NEW SPENCER SWEET PEAS TWO SPLENDID SUMMER VARIETIES

Mary Pickford. An extra fine large flower, produced on long stems; color, a dainty pink, suffused salmon. Per pkt., 25c.; \$1.25 per oz.; ¼ lb., \$4.00.

Snowball. Undoubtedly the finest pure white Sweet Pea in existence; large flowers on long stems. Per pkt., 25c.; \$3.00 per oz.; ¼ lb., \$10.00.

VERBENA GRANDIFLORA HYBRIDA

A new variety, producing gigantic blooms of flame pink, turning to softer shades of pink and coral, a beautiful combination. Per pkt., 15c.; 75c. per large pkt.

Michell's Zinnias, Giant Dahlia Flowered



A Golden State
B Old Rose
C Crimson Giant
Dream—Lavender turning to purple
Exquisite—Rose color
Oriole—Orange and gold
Polar Bear—Pure White
Scarlet Flame—Scarlet with blending of orange

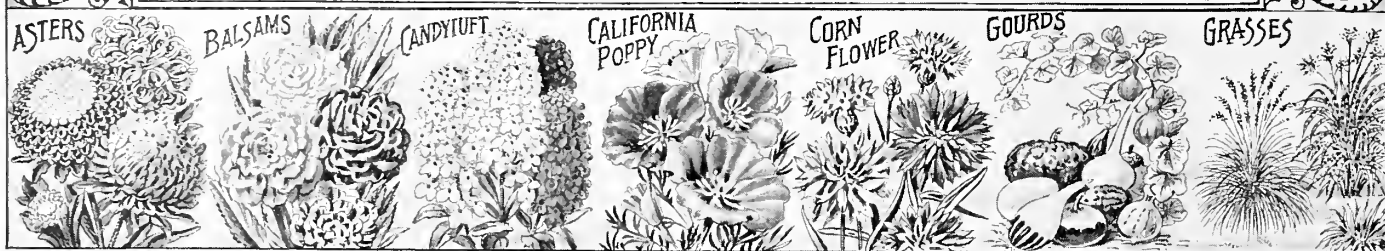
Prices for above:

Pkt. 20c; 50c per large pkt
Collection, 1 pkt. each 8 colors \$1.25
Collection, 1 large pkt. each 8 colors \$3.50

MIXED COLORS

Pkt. 15c; 30c per large pkt.; oz., \$1.50

MICHELL'S SEEDS OF OLD FASHIONED FLOWERS



Michell's Collections of Popular Old-Fashioned Flowers

On this page the lover of Old-Fashioned Flowers will find a selection of all of the better varieties grouped under their respective names. They are also listed through the Flower Seed pages, where they are described more fully.

ASTERS—Michell's Improved Semple's Branching, in 6 charming and distinct colors; late bloomers.....\$0.50

California Giants. New Giant Comet type, in 5 colors..... 1.00

Michell's Invincible. Profuse flowering; massive peony formed flowers; 5 colors..... .40

Crego's Giant Comet. Twisted and curled petals like a huge chrysanthemum; splendid varieties, in 6 colors..... .50

Early Royal Branching. Blooms in July and August; 5 colors.... .40

Queen of the Market. In 6 grand colors; very fine..... .50

CALIFORNIA POPPIES (Eschscholtzia). Their brilliant colors make the garden gay; very useful for cutting; 8 varieties..... .60

CANDYTUFT. Flowers within six weeks after sowing, and will give a mass of blooms; 6 colors..... .50

CORN FLOWER, GIANT (Centaurea or Sweet Sultan). An old favorite garden annual; 6 colors.. .50

HOLLYHOCKS. No garden should be without these very showy plants; 6 distinct colors..... .50

LARKSPUR. Excellent annuals for cutting; 6 colors..... .50

MARIGOLDS. Profuse bloomers and always showy; 6 varieties.. .50

NASTURTIUMS. Invaluable as showy garden plants.

Dwarf. 12 distinct sorts; one pkt. each..... .50

Tall. 12 distinct sorts; one pkt. each..... .50

PANSY. No garden is a garden without Pansies. Ours are admitted to be the finest in existence.

Giant Prize. 6 grand colors; fine.. .75

Giant Prize. 12 grand colors.... 1.40

PETUNIAS. A greatly improved strain in colors and size; immense frilled flowers; single; 6 varieties\$1.00

PHLOX DRUMMONDII. Grandiflora. 6 very beautiful and gaudy sorts..... .50

POPPIES. Annual. Rich in color; one of the showiest flowers in the garden. 6 varieties..... .50

SALPIGLOSSIS. Very curious and interesting forms; many are quite new; 6 colors..... .50

SNAPDRAGONS (Antirrhinum). Old standbys for showy groups.

Michell's Giant Tall. 6 colors.. .50

MOURNING BRIDE (Scabiosa). Excellent hardy annuals; fine for cutting; 6 colors..... .50

STOCKS. Dwarf-Ten Week. Plants branch freely and produce from 10 to 15 spikes of flowers; 6 colors..... .50

STRAW FLOWER (Helichrysum). Beautiful everlasting flowers, remaining perfect for months; 6 colors..... .50

SWEET PEAS. Spencer or Orchid Flowering. A grand selection of 12 varieties, all beautiful and distinct..... 1.00

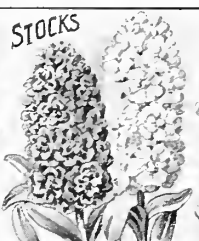
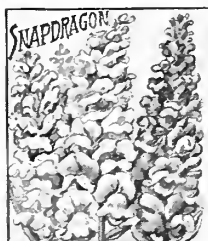
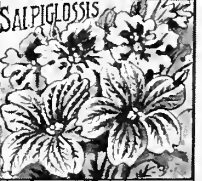
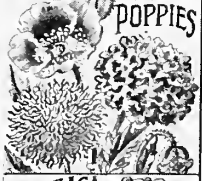
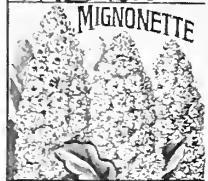
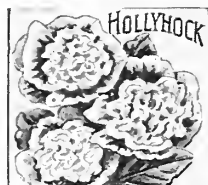
VERBENAS. Mammoth Fancy. The kinds that bear the largest flowers; 6 colors..... .50

ZINNIAS. Dwarf Double. Indispensable in every garden; masses of flowers in all shades; 6 grand colors..... .40

Giant Dahlia Flowered. Immense flowers, resembling Dahlias; 8 separate varieties..... 1.25

Giant Double. Every shade of color found in Zinnias; 12 colors 1.00

Giant Double. 6 colors..... .50



MICHELL'S "DISTINCTIVE" FLOWER SEEDS

11

For Novelties and Specialties, see pages 8 to 10

Our flower seeds have a reputation for their superior quality and for the excellent results obtained by sowing them. It is our constant endeavor to supply only such varieties and strains that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

Annuals. These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., some of which may be sown in the house from March to May, or outdoors, after danger from frost is over.

Biennials. These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxglove, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

A COMPLETE INDEX OF FLOWER SEEDS WILL BE FOUND ON PAGE 2 OF CATALOG.

ABUTILON (Flowering Maple)

Large Pkt. Pkt.

Choice Mixed. Used for ornamental bedding; also for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form; flowers bell-shaped; height, 3 feet.....\$0.75 \$0.10

ACANTHUS

Latifolius. Stately hardy perennial foliage plant; large decorative leaves; July and August; 3 feet... .50 .15

ACHILLEA (Milfoil or Yarrow)

Ptarmica, Fl. Pl., "The Pearl." Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; easily grown from seed, flowering the first season if seed is sown early; excellent cut flower for vases; 2 feet..... .75 .10

ACONITUM (Monk's Hood or Helmet Flower)

Handsome hardy perennial, thriving best in semi-shady situations; effective in hardy borders, shrubberies, etc.; curious hood-shaped flowers in clusters; height, 4 feet; August-September.

Large Pkt. Pkt.

Napellus. Blue.....\$0.40 \$0.10

ACROCLINIUM (Everlasting Flower)

(See page 26)

ADLUMIA (Allegheny Vine)

Cirrrosa. A hardy biennial climber, blooming the first season; rose colored flowers..... .75 .10

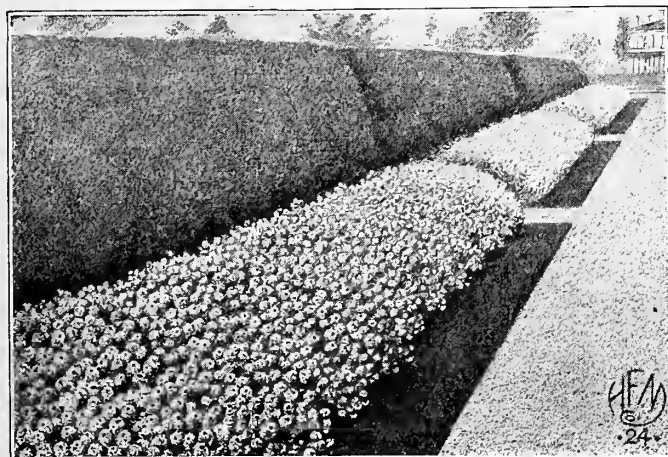
ADONIS

Vernalis. Finely cut foliage; bright yellow flowers; perennial; 1 foot..... .40 .10

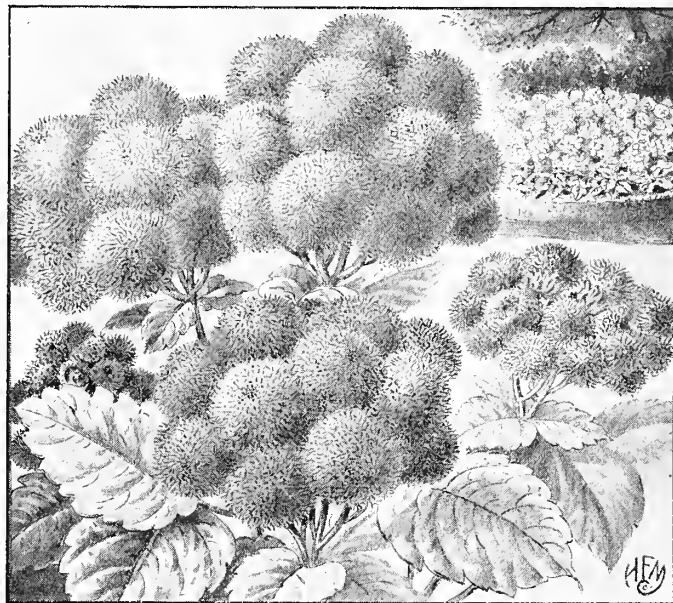
AGROSTEMMA (Mullein Pink)

Coronaria. Silvery foliage and bright crimson flowers; free-flowering hardy perennial of easy culture; blooms the first season; fine for cutting; 2½ to 3 feet; June to August..... .25 .10

Coronaria Alba. Pure white..... .25 .10



Alyssum, Little Gem



Ageratum, Blue Perfection

AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer. Large Pkt. Pkt.

Blue Perfection. Large heads of deep blue flowers produced in abundance; 15 inches.....\$0.25 \$0.10

Imperial Dwarf Blue. Clear blue; compact growing plant; height, 9 inches..... oz., 60c. .25 .10

Imperial Dwarf White...... oz., 60c. .25 .10

Imperial Dwarf Mixed...... .25 .10

Little Blue Star. Plants densely covered with bright blue flowers; height, 5 inches..... .75 .15

ALYSSUM

One of the most popular garden flowers, remaining in bloom the entire season; of the easiest culture; suitable for beds and edging in summer, or for growing in pots and boxes for winter blooming. Large Pkt. Pkt.

Lilac Queen. A distinct variety of dwarf, compact growth, with flowers of a pure lilac color; 4 inches..... oz., 60c. \$0.25 \$0.10

Little Gem. Dwarf compact plants, densely covered with large white flowers; commences to bloom when quite small; height, 4 inches. ¼ lb., \$2.25; oz., 75c. .25 .10

Michell's Bouquet. Plants dwarf and compact; forms a perfect bouquet of miniature white flowers; a perfect gem for edging. For illustration and full description, see page 8..... oz., \$1.25 .30 .10

Sweet (Maritimum). The popular old-fashioned sort the best for broad edges and vases. Pure white; height, 6 inches..... ¼ lb., 90c.; oz., 30c. .10

Rostratum. Perennial; dwarf; bright golden yellow flowers..... .30 .15

Saxatile Compactum (Basket of Gold). An ideal hardy perennial plant, flowering in May; showy golden-yellow flowers; blooms the first season if sown early indoors; excellent for rockwork. Height, 1 foot..... oz., \$1.25 .30 .10



AMARANTHUS

Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May. Useful in borders of tall plants or for the center of large beds.

	Large pkt.	Pkt.
Caudatus (<i>Love Lies Bleeding</i>). Long drooping crimson racemes; height, 3 feet.....	\$0.25	\$0.10
Sunrise . Foliage bronzy crimson, tipped carmine..	.25	.10
Tricolor Splendens (<i>Joseph's Coat</i>). Foliage green, variegated crimson and yellow; height, 2 feet....	.25	.10
Mixed . All sorts.....	.25	.10

AMPELOPSIS (Boston or Japanese Ivy)

	Large pkt.	Pkt.
Veitchi . A hardy perennial climber with olive-green leaves, which turn to scarlet in the autumn. The best hardy vine for covering brick or stone buildings or walls.....	oz., 40c. \$0.25	\$0.10

ANCHUSA (Sea Bugloss)

Italica "Dropmore." A very popular strong growing hardy perennial plant, 4 feet high, with an abundance of beautiful flowers of a lovely gentian blue, borne on graceful stems, during the entire season; 3 to 4 feet.....	.40	.10
Italica Opal . Large pale blue flowers; very beautiful; 3 to 4 feet.....	.60	.20

ANEMONE (Wind Flower)

Coronaria . A pretty, hardy perennial, producing large flowers; excellent for bouquets; mixed colors; 1 foot.....	.40	.10
Japonica, Elegans . Beautiful rose colored flowers..	.75	.10
St. Brigid or Poppy . Flowers large, semi-double and double, in many colors; 1 foot.....	.75	.15

ANTHEMIS (Hardy Marguerite)

Tinctoria Kelwayi . A handsome, hardy perennial, bearing all summer, daisy-like bright yellow flowers; excellent for cutting; 2 feet.....	.40	.10
--	-----	-----

ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early, sow indoors during February or March, but even if sown outdoors early in May it will bloom in July.

SPECIAL FORCING VARIETIES

	Large pkt.	Pkt.
Geneva Pink . Glistening rose pink (Orig. Stock).....	\$3.00	
Helen . Lovely salmon color.....	1.25	
Keystone . Large spikes; color rose pink.....	.75	\$0.25
Michell's Salmon Pink . Long spikes of flowers of a delicate salmon pink.....	.50	.15
Orlando . Beautiful bronze color.....	1.00	.25
Phelps' White.....	.50	.25
Phelps' Yellow.....	.50	.25
Philadelphia Pink . Considered to be the finest pure pink; an exquisite shade.....	.75	.25
Philadelphia Pink (Orig. Stock).....	1.25	
Silver Pink.....	.75	.25

MAXIMUM VARIETIES

A new group of Antirrhinums with extra large flowers; these are also forcing varieties.

	Large pkt.	Pkt.
Canary Bird . Canary yellow, golden yellow center.....	\$0.50	\$0.25
Cattlea . Silvery rosy lilac.....	.50	.25
Copper King . Coppery red.....	.50	.25
Snowflake . Pure white, yellow tube.....	.50	.25
Mixed . Maximum varieties.....	.40	.25



Michell's Giant Antirrhinum (Snapdragon)

ANTIRRHINUM (Snapdragon) (Continued)

MICHELL'S GIANT ANTIRRHINUMS

Spikes, 2 to 3 feet in length, with giant flowers.

	Large pkt.	Pkt.
Giant Brilliant Rose	\$0.30	\$0.10
Giant Garnet.....	.30	.10
Giant Harmony . Orange shaded rose.....	.30	.10
Giant Pink.....	.30	.10
Giant Scarlet.....	.30	.10
Giant Striped.....	.30	.10
Giant White.....	.30	.10
Giant Yellow.....	.30	.10
Collection, one packet each 6 colors, 50c.		
Giant Mixed . All colors.....	oz., 90c. .30	.10

ANTIRRHINUMS—Various Sorts

The Semi-Dwarf sorts grow about 18 inches high, with large flowers over most of the stem; excellent for bedding.

	Large pkt.	Pkt.
Semi Dwarf. Bonfire . Orange buff, shaded scarlet.....	\$0.40	\$0.10
" Bride . Pure white.....	.40	.10
" Bronze Beauty . Splendid dark bronze.....	.40	.10
" Daphne . Carmine pink, white throat.....	.40	.10
" Eclipse (New) . Brilliant, blood-red crimson.....	.60	.15
" Firebrand . Rich deep red.....	.40	.10
" Golden Queen . Golden yellow....	.40	.10
" Mauve Queen . Lilac mauve.....	.40	.10
" Mont Blanc . Pure white.....	.40	.10
" Nelrose . Pure rose pink.....	.40	.15
" Mixed . All colors.....	oz., \$1.00 .30	.10
Tom Thumb Mixed . All colors; 12 inches.....	.30	.10



AQUILEGIAS OR COLUMBINES

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the foliage. Seed sown early in the spring will in most cases produce plants that will bloom the same season.

	Large pkt.	Pkt.
Californica Hybrida. Mixed colors, principally yellow and orange shades; long spurs.....	\$0.60	\$0.10
Canadensis. The scarlet and yellow native species. ....	.60	.15
Chrysantha (Golden Spurred). Bright golden yellow. ....	.60	.10
Coerulea (Rocky Mountain Columbine). Large flowers, violet blue and white.....	.60	.10
Long Spurred Hybrids. Flowers of many rich and varied colors, with long spurs.....	.60	.10
Nivea Grandiflora. A beautiful large pure white. ....	.40	.10
Rose Queen. Light to dark pink with white center and yellow anthers.....	.75	.15
Double Mixed. All colors.....oz., 90c. ....	.25	.10
Single Mixed. All colors.....oz., 75c. ....	.25	.10

ARABIS (Rock Cross)

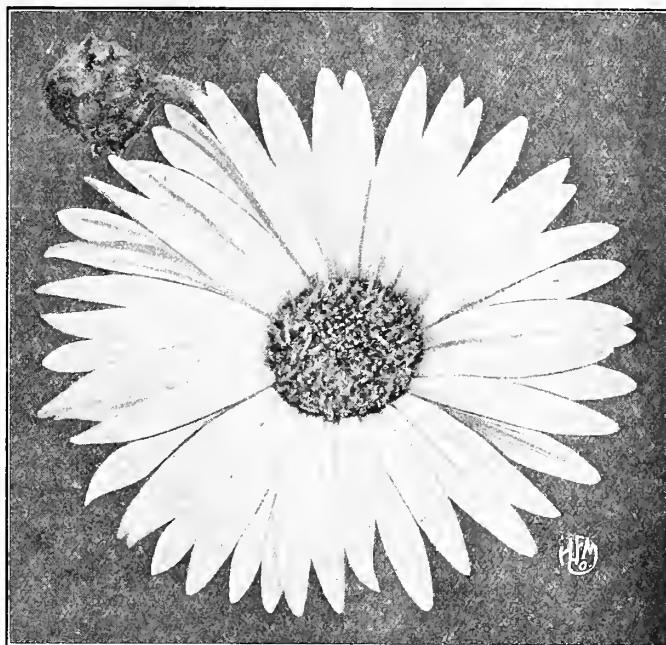
Alpina. Early spring flowering plants especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; perennial; April-May; 6-inches.....	.25	.10
---	-----	-----

Testimonial

I bought my Aster seed from you last year and was very much pleased with the results. The flowers were beautiful in size and colors. I had Asters blooming Thanksgiving Day; they looked almost like Chrysanthemums.

Mrs. G. R.

Pottstown, Pa.



Arctotis Grandis

ARCTOTIS (African Daisy) Large pkt. Pkt.

Grandis. Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue; 2 feet.....\$0.25 \$0.10

ARMERIA (Sea Pink or Thrift)

Formosa. A pretty hardy perennial for edgings, with deep pink flowers......40 .10

ARUNDO (Ornamental Grass) See page 28.

ASPARAGUS 100 Seeds Pkt.

Plumosus Nanus. An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut.....	\$1.00	\$0.25
Sprengeri. One of the best plants to grow in hanging baskets or window boxes for the greenhouse in winter or for outdoors in the summer.....	.50	.10

ASPERULA (Woodruff) Large pkt. Pkt.

Odorata. A pretty hardy perennial plant thriving in partial shade; flowers white. The leaves and flowers when dried have an odor like new mown hay and when laid among clothes perfume them and keep away insects; 1 foot; May.....\$0.30 \$0.10

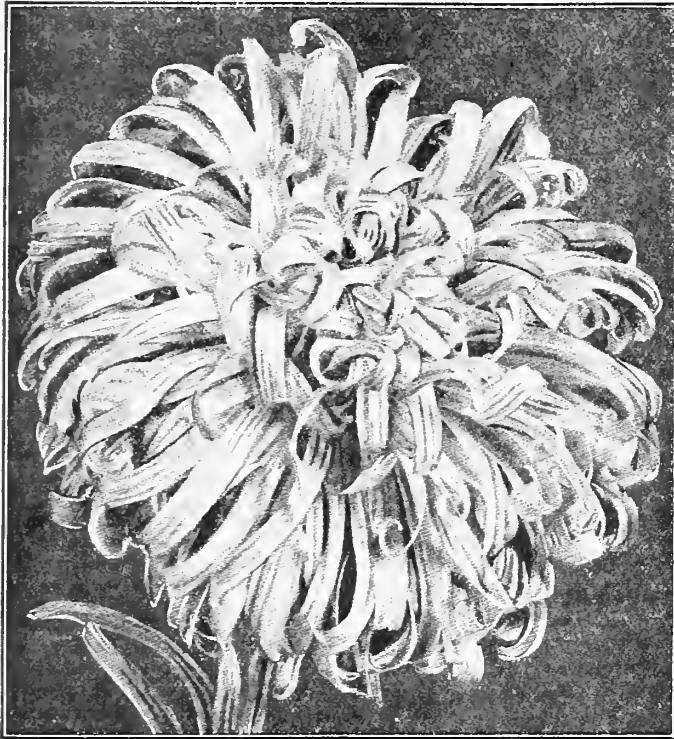
MICHELL'S CULTURAL LEAFLETS

We have prepared the following Cultural Leaflets especially for the benefit of the amateur, or, in fact, for any who may want them, giving instructions how to grow the varieties named successfully from seed. These leaflets are free.

201. Antirrhinum.	208. Zinnia.	215. Cyclamen.
202. Aster.	209. Pansy.	216. Larkspur
203. Cineraria.	210. Salvia.	(Annual).
204. Mignonette.	211. Stock.	217. Lupinus.
205. Petunia.	212. Perennials.	218. Phlox Drum.
206. Primula.	213. Carnation.	219. Nasturtium.
207. Verbena.	214. Cosmos.	220. Begonia.

MICHELL'S SUPERB ASTERS

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country. To have early flowers, sow the seed in the house, hotbed or cold frame, from March till May; otherwise sow outdoors after danger from frost has passed. To do well, Asters require a well-pulverized soil, always kept open by continuous cultivation.



Asternum

ASTERMUM

A valuable variety of Aster of the Comet type, coming into bloom in mid-season; plants grow straight up with strong, sturdy stems, and may be set more closely than other varieties. Each plant yields from ten to fifteen blooms.

	Oz.	Large pkt.	Pkt.
Lavender.....	\$2.25	\$0.50	\$0.15
Rose Pink.....	2.25	.50	.15
Shell Pink.....	2.25	.50	.15
White.....	2.25	.50	.15
Mixed.....	2.25	.50	.15
Collection, one pkt. each of above 4 colors...			.50

CALIFORNIA GIANT ASTERS

See color plate opposite page 8.

A new variety with flowers of the Crego type, and with the habit of growth and long stems of the Beauty type. Flowers large and stand up well after being cut. Their immense size and beauty, as well as their long stems make them very attractive.

	Large pkt.	Pkt.		Large pkt.	Pkt.
Dark Purple.....	\$0.75	\$0.25	Peach Blossom.....	\$0.75	\$0.25
Deep Rose.....	.75	.25	White.....	.75	.25
Light Blue.....	.75	.25	Choice Mixed.....	.75	.25
Collection, one pkt. each 5 colors as per color plate,					\$1.00.

EARLY WONDER ASTERS

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches in length.

	Oz.	Large pkt.	Pkt.
Dark Blue.....	\$3.00	\$0.60	\$0.10
Pink.....	3.00	.60	.10
White.....	3.00	.60	.10
Mixed.....	2.25	.50	.10

Special Note.—While this splendid fall flower is very easily grown from seed, the greatest possible care should be exercised with the seed bed; old soil and boxes should never be used the second time without thoroughly sterilizing, to avoid the numerous diseases to which Asters are so susceptible. Barn-yard manure should never be employed as a fertilizer; we recommend the use of fine ground bone meal, and on no account should they be grown in the same location two years in succession.

DAYBREAK ASTERS

The Daybreak class forms strong plants of upright, bushy habit and are very profuse bloomers; excellent for beds or borders; flowers perfectly double and carried on long, erect stems.

	Oz.	Large pkt.	Pkt.
Azure Blue.....	\$3.00	\$0.60	\$0.10
Daybreak. Soft pink.....	3.00	.60	.10
Lavender.....	3.00	.60	.10
Mitchell's Purity (White Daybreak).....	3.00	.60	.10
Rose Pink.....	3.00	.60	.10
Mixed.....	2.00	.50	.10
Collection, one pkt. each of above 5 colors..			.40

HEART OF FRANCE ASTER

The flowers are large and full to the centre; opens ruby red, deepening with age. Plants are of branching type; flower stems long. See page 8A for illustration and full description. Per pkt., 25c.; 60c. per large pkt.; oz., \$3.00.



Pink Superb Aster (Large pkt., 75c.)

MICHELL'S PINK SUPERB ASTER

The flowers are of immense size, petals long and broad, those in the centre lie curled and incurved, completely covering the crown; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful shade of pink. An excellent sort for cutting. Per pkt., 25c.; 75c. per large pkt.; oz., \$3.50.

Send for Cultural Leaflet No. 202 on The Growing of Asters.



ASTER, AMERICAN BEAUTY

This variety is similar in type of flower and growth to the well-known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. Plants will average two and one-half to three feet in height, according to location, while the immense flowers, usually four to five inches in diameter, are often borne on heavy stems which may be cut two feet in length. The flowers are fully double to the last. Each plant forms a perfect bush.

	Large	Pkt.	Pkt.
Azure Fairy	\$0.60	\$0.15	
Carmine Rose .....	.60	.15	
Crimson .....	.60	.15	
Lavender .....	.60	.15	
Shell Pink .....	.60	.15	
White .....	.60	.15	
Mixed .....	.60	.15	
Collection, one packet each of above 6 colors, 75c.			

MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth, producing on 2-foot long stems, massive, well-formed flowers, which are always perfectly double. These Asters are wonderfully prolific and continuous bloomers from summer until frost.

	Oz.	Large	Pkt.
Blue	\$2.25	\$0.50	\$0.10
Crimson	2.25	.50	.10
Lavender	2.25	.50	.10
Rose pink	2.25	.50	.10
White	2.25	.50	.10
Mixed. All colors	2.00	.50	.10
Collection, one packet each of above 5 colors. .40			

PACIFIC BEAUTY ASTER

A good variety of the same type as Crego, producing a profusion of immense blooms of a rich lavender color. The petals are wide and long and gracefully curled. Pkt., 25c.; 60c. per large pkt.; oz., \$3.00.

CREGO'S GIANT COMET ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

	Oz.	Large	Pkt.
Azure Blue	\$2.25	\$0.50	\$0.10
Crimson	2.25	.50	.10
Lavender	2.25	.50	.10
Purple	2.25	.50	.10
Rose Pink	2.25	.50	.10
Shell Pink	2.25	.50	.10
White	2.25	.50	.10
Mixed	2.00	.50	.10
Collection, one packet each of 6 colors. .50			



ASTER, VICK'S SILVERY ROSE

A long-stemmed, large-flowering variety; each petal is a combination of deep lilac rose, almost cerise, delicately threaded with white. The threads are so tiny as to give the petals a silvery sheen; even the slightest change in light will shade the petals from a rich, glowing rose cerise to a silvery rose. Pkt., 15c.; 60c. per large pkt.

See color plate of Asters opposite page 8.



Michell's Superb Asters

QUEEN OF THE MARKET ASTER

Very desirable on account of its earliness and the freedom in which it flowers. Well-formed flowers are produced on 12-inch stems in the greatest profusion early in July.

	Oz.	Pkt.	Pkt.
Blush Pink.....	\$1.50	\$0.40	\$0.10
Crimson.....	1.50	.40	.10
Dark Blue.....	1.50	.40	.10
Light Blue.....	1.50	.40	.10
Rose Pink.....	1.50	.40	.10
White.....	1.50	.40	.10
Choice Mixed.....	1.50	.40	.10
Collection, one packet each of above 6 colors			.50

ASTER, EARLY ROYAL BRANCHING

An excellent strain of Early Branching Aster, of the same form and having the same good qualities as the Late Branching variety, coming into bloom in July or early August and lasting in perfect condition for a long time. Very desirable for beds or borders, and an excellent variety for cutting.

	Oz.	Pkt.	Pkt.
Lavender.....	\$2.25	\$0.50	\$0.10
Purple..	2.25	.50	.10
RosePink	2.25	.50	.10
ShellPink	2.25	.50	.10
White...	2.25	.50	.10
Mixed...	2.00	.50	.10
Collection, one pkt. each of above 5 colors.....			.40



Queen of the Market

Michell's Improved Semple's Branching Aster

This is the finest late blooming Aster. The deep, heavy incurved flowers are borne on rigid stems often 2 feet and more in length. Our Improved Strain has been secured after many years of careful selection. The colors are clear and attractive, which, with the long stems, makes it one of the most valuable varieties for cutting. We have received numerous testimonials on the quality of this Aster.

	Oz.	Pkt.	Pkt.
Crimson....	\$2.25	\$0.50	\$0.10
Lavender....	2.25	.50	.10
Purple.....	2.25	.50	.10
Rose Pink....	2.25	.50	.10
Shell Pink...	2.25	.50	.10
White.....	2.25	.50	.10
Choice Mixed	1.50	.40	.10
Collection, one pkt. each of above 6 colors.....			.50

SEMPL'S
BRANCHING



ROYAL



GIANT SINGLE ASTER SOUTHCOTE BEAUTY

A splendid variety of Giant Single Aster which are becoming exceedingly popular; the flowers have long, perfectly formed curved petals with golden centers; unrivaled for cutting and house decoration; 1½ feet.

	Oz.	Large	pkt.	Pkt.
Lavender.....	\$2.25	\$0.60	\$0.15	
Pink.....	2.25	.60	.15	
Purple.....	2.25	.60	.15	
Scarlet.....	2.25	.60	.15	
White.....	2.25	.60	.15	
Choice Mixed.....	2.25	.60	.15	
Collection, one packet each of above 5 colors				.60

PERENNIAL ASTER

(Michaelmas Daisy)

One of the showiest of our late flowering, perennial plants; star-like, single flowers; if sown early in spring will flower the first season.

	Large	pkt.	Pkt.
Alpinus. Purple with large yellow center; 1 foot..	\$0.60	\$0.15	
Alpinus Albus. Pure white.....	.60	.15	
Choice Mixed. Many beautiful shades; 2 to 3 feet..	.40	.10	



AUBRETIA

Deltoides. Very compact, spring flowering perennial; lavender-blue flowers; 4 inches.....\$0.75 \$0.15

AURICULA (Primula Auricula)

Choice Mixed. Beautiful low growing, early spring flowering plants; fine for borders, pot culture, etc.; have multi-colored flowers in great variety; half-hardy perennial; 6 inches; May.....\$0.75 \$0.10

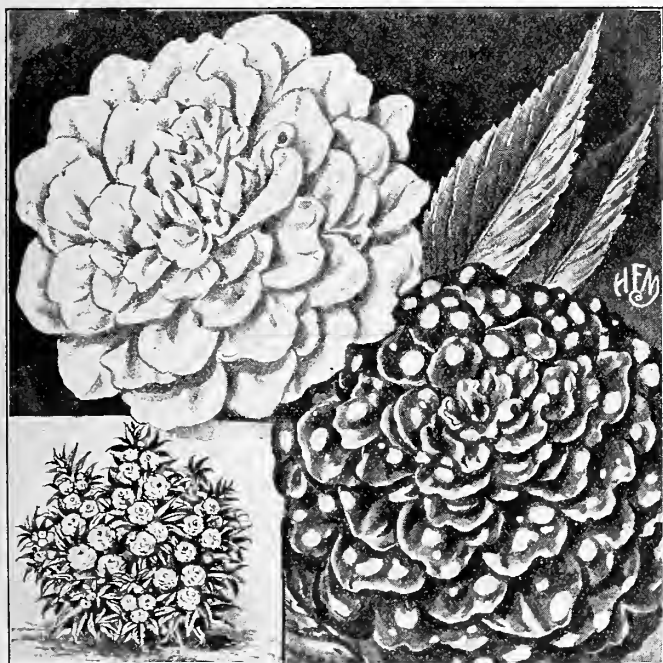
AVENA (Ornamental Grass) (See page 28)

BABY'S BREATH (See Gypsophila)

BACHELOR'S BUTTON (See Centaurea and Gomphrena)

BALLOON VINE (Love-in-a-Puff)

A rapid growing annual climber; white flowers, followed by seed pod; which look like miniature balloons.....\$0.25 \$0.10



Camellia Flowered Balsam

DOUBLE BALSAM (Lady's Slipper)

These old-fashioned flowers have been much improved, and what we offer are perfect in form and of the largest size. Give Balsams plenty of room and they will develop into immense plants with gorgeous flowers. They are of easy culture and will succeed almost anywhere; height 2 feet.

	Oz.	Large Pkt.	Pkt.
Camellia Flowered, Pink.....	\$1.00	\$0.30	\$0.10
Camellia Flowered, Prince Bismarck.			
Rich salmon pink.....	1.00	.30	.10
Camellia Flowered, Scarlet.....	1.00	.30	.10
Camellia Flowered, White Perfection....	1.00	.30	.10
Camellia Flowered, Choicest Mixed.....	.60	.25	.10

BALSAM APPLE (Momordica)

Remarkably handsome climbing annuals, bearing ornamental orange-colored fruit, which when ripe opens, showing a brilliant crimson interior, oz., 50c. .25 .10

BAPTISIA (False Indigo)

Australis. A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue, pea-shaped flowers in June and July......50 .10

BEAN (Runner)

A rapid climber, flowering profusely; grows 10 to 15 ft. high. **Scarlet.** Per lb., 35c.; 65c. per 2 lbs.; pkt., 5c.

BELLIS PERENNIS. See Daisy

BLANKET FLOWER. See Gaillardia

BLUE LACE FLOWER. See Didiscus

BOCCONIA (Plume Poppy)

Cordata. A splendid, hardy perennial, with glaucous green foliage, and bearing freely, spikes 2 to 3 feet long of creamy white flowers; 5 feet.....\$0.25 \$0.10

BRIZA MAXIMA (Ornamental Grass) See page 28

BROMUS (Ornamental Grass) See page 28



Begonia, Gracilis Luminosa

BEGONIA (Semperflorens Type)

The following varieties are unsurpassed for bedding plants, thriving equally well in partially shaded or sunny locations. As pot plants for winter flowering, they are superb. Seeds sown in February or March under glass will produce nice plants for planting out in June.

	Large pkt.	Pkt.
Albert Martin (New). Bright crimson scarlet; dark foliage See novelties, page 8A.....	\$1.00	\$0.25
Erfordia. Delicate pink, one of the choicest.....	.75	.15
Glory of Erfurt (Improved) (New). Large, rosy carmine; splendid bedder. See novelties, page 8A....	1.25	.25
Salmon Queen. Flowers brilliant salmon red; foliage dark green, with reddish hue.....	.75	.20
Vernon. Deep red flowers and bronzy-red foliage..	.50	.20
Choice Mixed. All sorts and varieties.....	.50	.20

BEGONIA, GRACILIS

One of the finest outdoor flowering Begonias; plants are literally covered with flowers throughout the summer; height, 1 foot.

	Large pkt.	Pkt.
Gracilis Alba. Pure white.....	\$0.50	\$0.15
Gracilis Luminosa. Brilliant fiery dark scarlet; very bright.....	.75	.20
Gracilis Prima Donna. Rose, shading to carmine..	.75	.20
Gracilis Rosea. Light pink.....	.50	.15

BEGONIA, TUBEROUS ROOTED

These magnificent flowers are becoming very popular because they are of easy culture and extremely showy; thrive in semi-shady situations.

	Large pkt.	Pkt.
Double Choice Mixed.		\$0.50
Single Choice Mixed.	\$0.75	.15



BROWALLIA

One of our favorite bedding plants, producing beautiful flowers during the summer and autumn months; grows freely in any rich soil; blooms finely in the winter if the plants are lifted in the autumn and cut back; height, 18 inches. Large pkt. Pkt.

Elata Coerulea. Large sky-blue flowers.....\$0.30 \$0.10

Speciosa Major. Large flowers of brilliant ultra-marine blue; does finely outside in the border, but is especially desirable as a pot plant for winter and early spring flowering..... 1.00 .20

BUTTERFLY FLOWER. See Schizanthus



Michell's Grandiflora Calceolaria

CALCEOLARIA

Excellent plants for decorating the greenhouse or conservatory; produces a mass of pocket-like flowers through the spring and summer. Our strains of Calceolaria have a wide reputation as to large size and rich and varied colors of the flowers. Large

Hybrida Grandiflora Tall Mixed. Large flowering, Pkt. Pkt. rich, self-colored flowers saved from a choice collection; 18 inches.....\$0.85 \$0.25

Hybrida Grandiflora Pumila Compacta. Of dwarf, compact robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot..... .85 .25

Rugosa Mixed (Shrubby). Small flowering varieties for bedding..... .85 .25

CALIFORNIA POPPY. See Eschscholtzia

CALLIOPSIS (Coreopsis)

ANNUAL VARIETIES

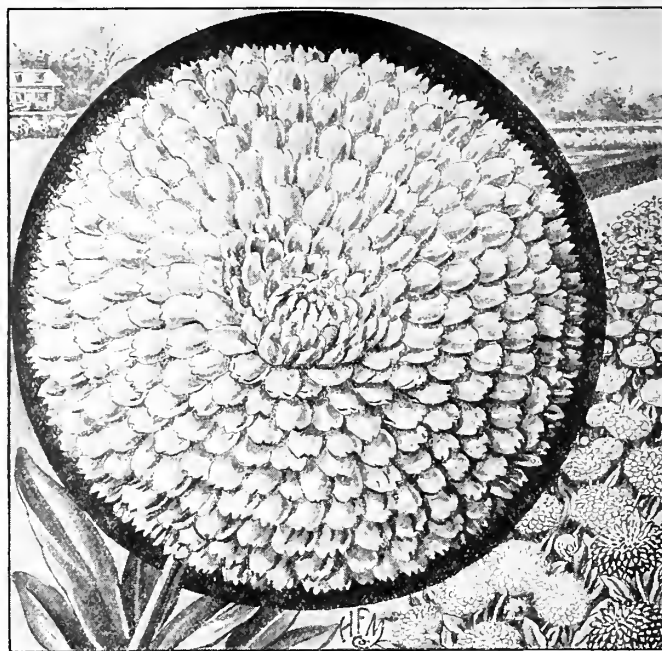
One of the showiest and most easily grown annuals; perfect little bushes, which are a mass of bloom from early summer until cut down by frost; excellent for cutting.

	Oz.	Large Pkt.	Pkt.
<i>Golden Wave (Drymondii)</i> . Large yellow flowers with dark brown centers; 1 foot....	\$0.50	\$0.25	\$0.10
<i>Choice Mixed</i> . All varieties and colors....	.40	.25	.10

PERENNIAL VARIETIES

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting.

	Oz.	Large Pkt.	Pkt.
<i>California Sunbeams</i> . Very large flowers, beautifully formed; yellow and brown....	\$0.75	\$0.25	\$0.10
<i>Lanceolata Grandiflora</i> . Single golden yellow flowers of graceful form; invaluable for cutting; blooms the entire summer.....	.50	.25	.10



Calendula, Michell's Special Forcing, Orange

CALENDULA (Pot Marigold)

Free flowering showy annuals of easy culture, producing a fine effect in beds or mixed borders; continues in bloom from early summer until killed by frost. Valuable for pot culture, blooming freely in winter and early spring; 1 foot.

	Oz.	Large Pkt.	Pkt.
<i>Michell's Special Forcing, Orange</i>	\$1.50	\$0.50	\$0.20
<i>Ball's Strain</i> . Bright, glowing orange; large and double.....		.60	.25
<i>Lemon King</i> . Lemon-yellow.....	.40	.25	.10
<i>Meteor</i> . Yellow striped orange.....	.40	.25	.10
<i>Orange King</i> . Rich dark orange.....	.40	.25	.10
<i>Pure Gold</i> . Pure golden yellow.....	.40	.25	.10
<i>Mixed</i>.....	.30		.10



Calliopsis, Golden Wave

**CAMPANULA MEDIA (Canterbury Bell)**

Showy, hardy biennial, growing about 3 feet high; of pyramidal form and covered with large bell-shaped flowers. Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw. They flower the following summer, after which they die. Large

	Oz.	Pkt.	Pkt.
Single Blue.....	\$0.60	\$0.25	\$0.10
Single Pink.....	.60	.25	.10
Single White.....	.60	.25	.10
Single Mixed.....	.50	.25	.10
Double Blue.....		.50	.10
Double Pink.....		.50	.10
Double White.....		.50	.10
Double Mixed.....	1.50	.40	.10

CAMPANULA MEDIA CALYCANTHEMA**(Cup and Saucer Canterbury Bells)**

These produce beautiful large single flowers resembling a cup and saucer; very effective when grown in pots for conservatory decoration; they require the same treatment as above.

	Large pkt.	Pkt.		Large pkt.	Pkt.
Blue.....	\$0.50	\$0.10	Pink.....	\$0.50	\$0.10
Lilac.....	.50	.10	White.....	.50	.10
			Mixed, 1/4 oz., 60c...	.50	.10

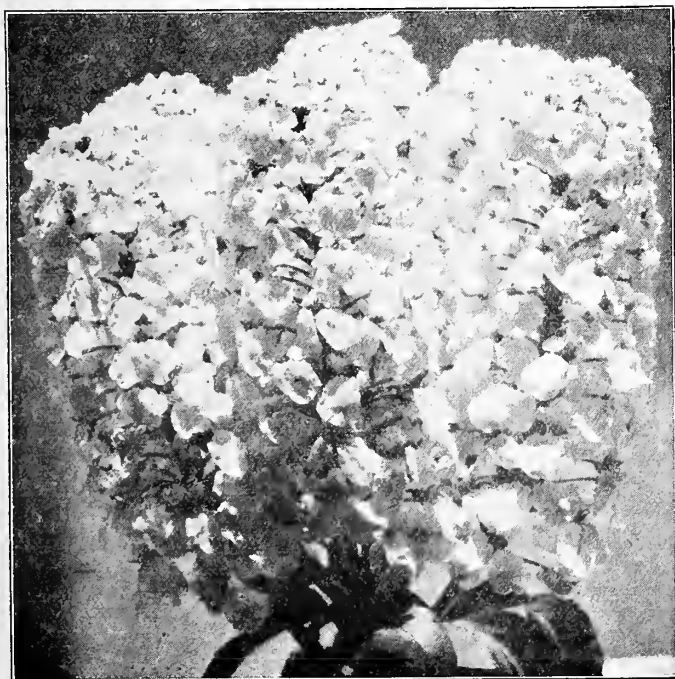
CAMPANULAS OR BELLFLOWERS**(Perennial Varieties)**

These are among our best known hardy perennials and deserve a place in every perennial flower garden. The tall varieties are fine for cutting, while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers.

	Large pkt.	Pkt.
Carpatica, Blue (<i>Carpathian Hare Bell</i>). Compact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July.....	\$0.40	\$0.10
Carpatica, Alba. Pure white.....	.40	.10
Latifolia Macrantha. Handsome large flowers; purplish blue; 2 feet.....	.60	.10
Persicifolia Grandiflora, Blue (<i>Peach Bells</i>). Stately spikes, 4 feet tall, with immense blue bell-shaped flowers.....	.75	.15
Persicifolia Grandiflora, Alba. Pure white.....	.75	.15
Pyramidalis (<i>Chimney Bellflower</i>). Perfect pyramids 6 ft. high, crowded with large bell-shaped flowers, blue and white mixed.....	.40	.10



Campanulas



Candytuft, Michell's Giant White

CANDYTUFT (Iberis)

Dwarf, profuse flowering garden annuals of easy culture; useful for bedding or borders; blooms within six weeks after sowing; excellent for cutting; height, 1 foot.

	Oz.	Large Pkt.	Pkt.
Carmine	\$0.40	\$0.25	\$0.10
Crimson.....	.40	.25	.10
Empress. An excellent variety with long trusses of pure white flowers.....	.40	.25	.10
Lavender.....	.40	.25	.10
Michell's Giant White. The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing.....	.60	.25	.10
Pink.....	.40	.25	.10
Purple. Deep rich purple.....	.40	.25	.10
Rose Cardinal. Rosy red.....	.60	.25	.10
Choice Mixed. All colors.....	.30		.10
Collection. One packet each, 6 colors.....			.50
Sempervirens. Dwarf spring flowering perennial plants; ideal for the bulb border; flowers of glistening white; May; 1 foot...		.60	.10

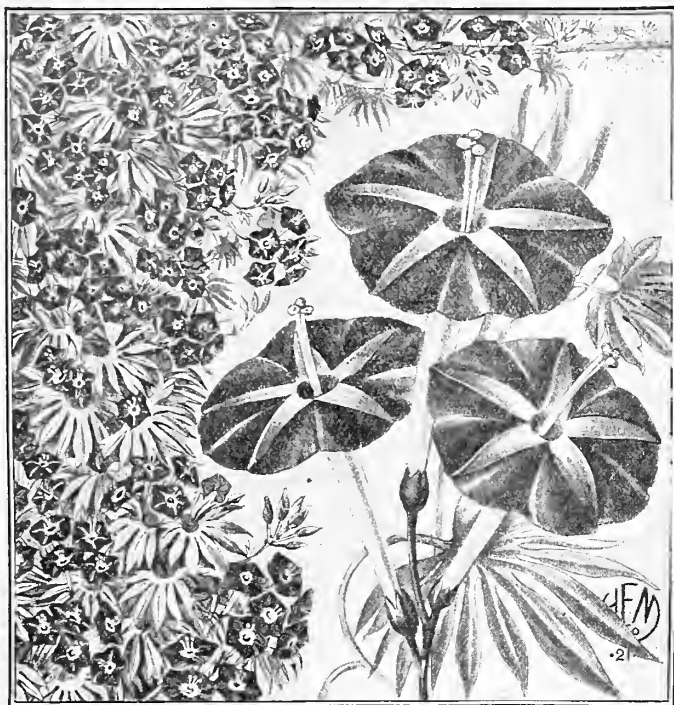
CANARY BIRD VINE**(Tropaeolum Canariense)**

One of the most charming annual climbers, bearing hundreds of pretty, fringed, bright yellow flowers, which resemble a canary bird with expanded wings.....

.40 .10



CANTERBURY BELL. See *Campanula*



Cardinal Climber

CARDINAL CLIMBER

(*Ipomoea quamoclit Hybrida*)

A distinct and beautiful annual climber; a rapid grower and free bloomer; the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Succeeds best in a warm, sunny location and good soil. Leaves dark green and deeply lacinated; bears a profusion of fiery, cardinal red flowers, which are about 1½ inches in diameter. In order to have good germination of the seed, a small notch should be filed or cut in each seed. Per pkt., 10c.; 60c. per large pkt.

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer.

	Large pkt.	Pkt.
Early Vienna. Large double flowers in mixture....	\$0.50	\$0.10
Choice Mixed. Double border varieties.....	.50	.10

CHABAUD'S GIANT CARNATIONS

Blooms in four to five months after being sown and continues to bloom throughout the summer; flowers of fine substance and usually produce 90 per cent double flowers.

	Large pkt.	Pkt.
Jeane Dionis. Pure white.....	\$0.75	\$0.15
Sparkler. Brilliant cardinal red.....	.75	.15
The Pearl. Beautiful rose pink.....	.75	.15
Choice Mixed.....	.60	.15

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected they will survive an ordinary winter and bloom the following spring.

	Large pkt.	Pkt.
Pink	\$0.50	\$0.10
Scarlet.....	.50	.10
White.....	.50	.10
Yellow.....	.50	.10
Choice Mixed	oz., \$2.00	.40 .10

CANNA (Indian Shot)

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape or file the edge of seed and soak in warm water until they show signs of swelling, then sow in sandy loam and place in a hotbed.

	Oz.	Pkt.
Crozy's Dwarf Mixed. From the finest sorts.....	\$0.30	\$0.10

CASTOR BEAN. See *Ricinus*



CELOSIA CRISTATA (Crested Cockscumb)

Very desirable annuals of easy culture, producing large, brilliant comb-like heads; make excellent border plants and are also attractive for pots; 1 to 1½ feet.

	Large pkt.	Pkt.
Giant Empress. Giant heads of rich crimson....	\$0.60	\$0.10
Glasgow Prize. Showy dark crimson.....	.60	.10
Choice Mixed. Dwarf varieties.....	oz., \$1.50	.40 .10

CELOSIA PLUMOSA (Feathered Cockscumb)

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting. Can also be cut and dried for winter bouquets.

	Large pkt.	Pkt.
Childsi (<i>Chinese Woolflower</i>). Plants grow 2½ feet high and produce a large number of ball-shaped scarlet flowers, resembling silky wool.....	\$0.50	\$0.15
Childsi, Pink. Same type as above; flowers delicate pink.....	.60	.15
Chrysantheflora (<i>New</i>). Immense round heads of flowers, in a great variety of colors, including salmon-pink and bronze.....	.60	.25
Golden Plume. Bright golden yellow plumes.....	.25	.10
Pride of Castle Gould. Immense flower heads that closely resemble ostrich plumes. Colors are blood-red, carmine, yellow, orange, golden, orange-scarlet, etc., in mixture.....	.75	.15
Scarlet.....	.25	.10
Rosea. Bright rose.....	.25	.10
Thompson's Superb (<i>Triomphe de l'Exposition</i>). A strain with bronze colored foliage and graceful feathery plumes of brilliant crimson; 3 feet.....	.25	.10
Choicest Mixed. All colors.....	oz., 60c.	.25 .10



Centaurea Cyanus

CENTAUREAS CENTAUREA CYANUS

(Cornflower or Bachelor's Button)

Also known as Blue Bottle, Ragged Sailor, Bluet, etc.; an old favorite garden annual; excellent for cutting; 2 feet.

	Oz.	Large pkt.	Pkt.
Double Blue. Splendid for cutting.....	\$0.60	\$0.25	\$0.10
Double Rose.....	.60	.25	.10
Double White.....	.60	.25	.10
Emperor William. Single deep blue.....	.40	.25	.10
Single Choice Mixed.....	.40	.25	.10
Double Mixed.....	.40	.25	.10

CENTAUREA IMPERIALIS

(Giant Cornflower, or Sweet Sultan)

The finest of all Sweet Sultans for cut flower purposes; gigantic, beautiful, sweet-scented flowers borne on long stems. 2 to 3 feet.

	Oz.	Large pkt.	Pkt.
Deep Rose.....	\$1.25	\$0.30	\$0.10
Lavender.....	1.25	.30	.10
Lilac.....	1.25	.30	.10
Brilliant Pink.....	1.25	.30	.10
Purple.....	1.25	.30	.10
White.....	1.25	.30	.10
Choice Mixed.....	.75	.25	.10
Collection. One packet each above 6 colors..			.50

NEW GIANT FLOWERED CENTAUREAS

Magnificent flowers produced on long, stout stems; excellent for cutting.

	Large pkt.	Pkt.
Bride. Pure white.....	\$0.50	\$0.10
Bridegroom. Purplish mauve.....	.50	.10
Honeymoon. Golden yellow.....	.50	.10

WHITE LEAVED CENTAUREA (Dusty Miller)

Grown for their silvery foliage as edging plants, also for vases, hanging baskets, etc. 500 seeds

	Large pkt.	Pkt.
Candidissima. Broad cut leaves of silvery gray....	\$0.30	\$0.10
Gymnocarpa. Fine cut silvery gray foliage.....	.20	.10

VARIOUS CENTAUREAS Large pkt. Pkt.

	Large pkt.	Pkt.
Suaevolens (Yellow Sweet Sultan). Showy, bright yellow, fragrant blossoms.....	\$0.30	\$0.10
Montana. Blue; perennial; 18 inches.....	.30	.10

CERASTIUM (Snow in Summer)

	Large pkt.	Pkt.
Tomentosum. Dwarf, white-leaved edging plant; flowers white; 4 inches.....	\$0.40	\$0.10

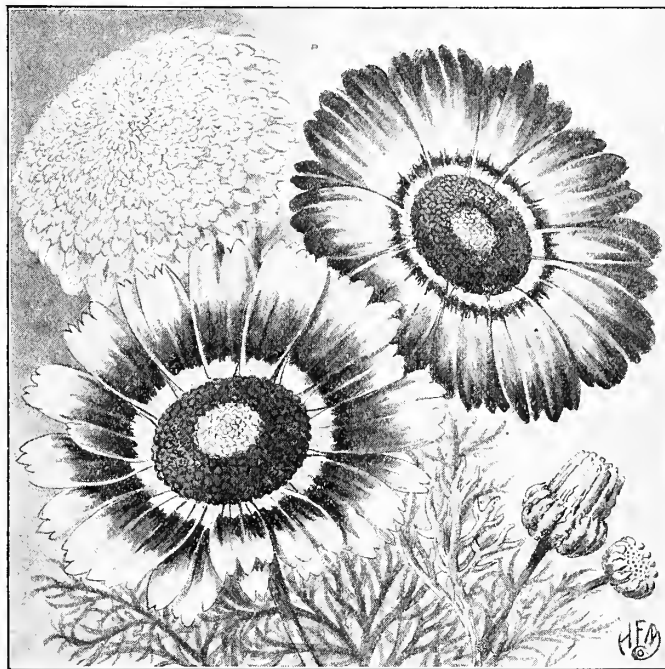
CHEIRANTHUS

	Large pkt.	Pkt.
Allionii (Siberian Wallflower). A biennial, but best treated as an annual; brilliant orange flowers.....	.30	.10

CHELONE

	Large pkt.	Pkt.
A very showy perennial bedding plant; June to August; 2 ft.		
Hybrida Torreyi. Brilliant scarlet.....	\$0.50	\$0.15
Hybrida Mixed. Various colors.....	.50	.15

CHINESE WOOLFLOWER. See Celosia



Annual Chrysanthemums

CHRYSANTHEMUM (Annual Varieties)

Exquisitely colored daisy-like flowers with finely cut foliage; good for cutting; also effective as a border plant.

	Large pkt.	Pkt.
Helios (Evening Star). Extra large pure golden yellow flowers often measuring 4 inches across; height, 2 feet.....	\$0.25	\$0.10
Double Mixed.....oz., 40c.	.25	.10
Single Mixed.....oz., 40c.	.25	.10

CHRYSANTHEMUM (Perennial Varieties)

	Large pkt.	Pkt.
Colossal Queen (New). Giant pure white. See novelty page 9.....	1.00	.25
Early Flowering Double and Semi Double Mixed. A new perennial variety, which can also be treated as an annual, blooming the first year from seed. The flowers are of many colors and shades...	.75	.25
Japanese Hybrids. Large flowers of the finest types an extra choice mixture; seed sown in spring will produce flowering plants by fall; 2 feet.....	.75	.15
King Edward VII. Flowers extra large, pure white; very free flowering.....	.30	.10
Shasta Daisy, "Alaska." Extra large flowers, of pure glistening white, with broad overlapping petals; a beautiful cut flower; 2 feet.....	.60	.10

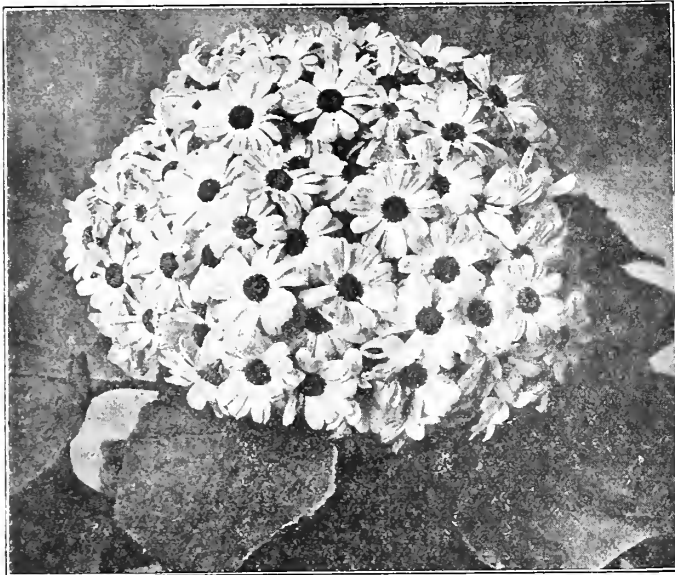
CINERARIA. See next page.

CLARKIA

	Large pkt.	Pkt.
Annuals of easy culture; planted in large groups they are very bright and effective.		
Single Mixed. All colors.....	\$0.25	\$0.10
Double Mixed. All colors.....	.25	.10



COLUMBINE. See Aquilegia

*Cineraria, Multiflora Nana***CINERARIA**

Most ornamental plants for conservatory or house decoration; seed may be sown from May to September for a succession. Our strains cannot be surpassed; immense trusses of large flowers, often measuring 4 inches across.

CINERARIA, MULTIFLORA NANA**Berlin Market Strain (Novelty)**

An improved strain of this splendid pot plant; very dwarf and compact; flowers of large size, produced in great profusion and in a range of the best colors and shades.

	Large pkt.	Pkt.
Azure Blue	\$1.25	\$0.50
Dark Blue	1.25	.50
Dark Red	1.25	.50
Rose	1.25	.50
Mixed Colors	1.00	.50

CINERARIA, GRANDIFLORA PRIZE

	Large pkt.	Pkt.
Grandiflora Prize Dwarf. Mixed colors; plants of dwarf habit.	\$0.85	\$0.35
Grandiflora Prize Medium Tall. Mixed colors; desirable as a decorative plant.	.85	.35
Matador. Large flowering scarlet.	.85	.35
Stellata Hybrida. Of graceful habit; produces a profusion of flowers; mixed colors.	.75	.25

WHITE-LEAVED CINERARIA (Dusty Miller)

Maritima Candidissima. Silvery green, Large pkt. Pkt. lacinated foliage; good for edging.....\$0.25 \$0.10

CLEMATIS

Perennial climber; fine for arbors, verandas, etc. *Paniculata* (*Japanese Virgin's Bower*). The beautiful autumn-flowering variety, admired for its fragrant, white star-shaped flowers......25 .10

CLEOME (Spider Plant)

An attractive annual plant with curious heads of flowers. *Pungens.* Pink flowers......25 .10

COBAEA SCANDENS (Cup and Saucer Vine)

Well-known climber of rapid growth, producing large, bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

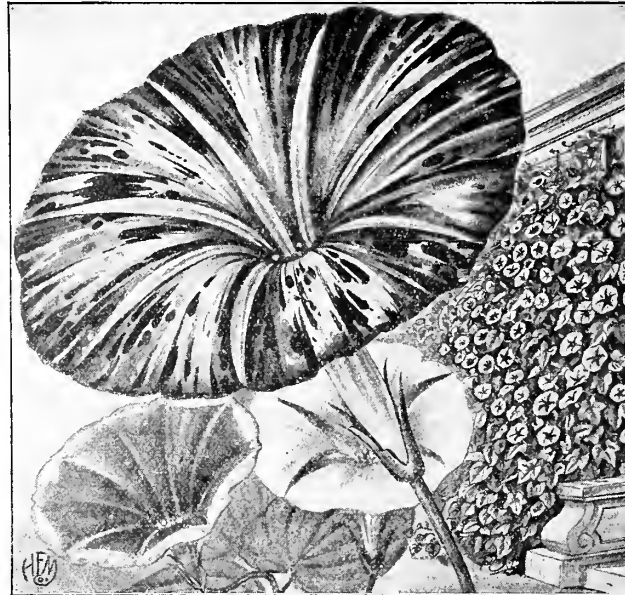
	Large pkt.	Pkt.
Purple	oz., 50c.	\$0.25 \$0.10
White		.30 .10

COCKSCOMB. See Celosia**COIX LACHRYMAE (Ornamental Grass)**

See page 28.

COLEUS

Large Leaved Hybrids. Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in a warm temperature.....\$0.75 \$0.25

*Japanese Imperial Morning Glory (Convolvulus)***CONVOLVULUS (Morning Glory)****MAJOR, OR TALL VARIETIES**

One of the most popular annual climbers, growing about 15 feet in height and thriving in almost any situation Oz. Pkt.

Japanese Imperial. Flowers of immense size and of a great variety of colors.....\$0.30 \$0.10

Japanese Imperial Fringed. Large fringed flowers of many beautiful colors and shades......40 .10

Mixed. The old fashioned variety......20 .05

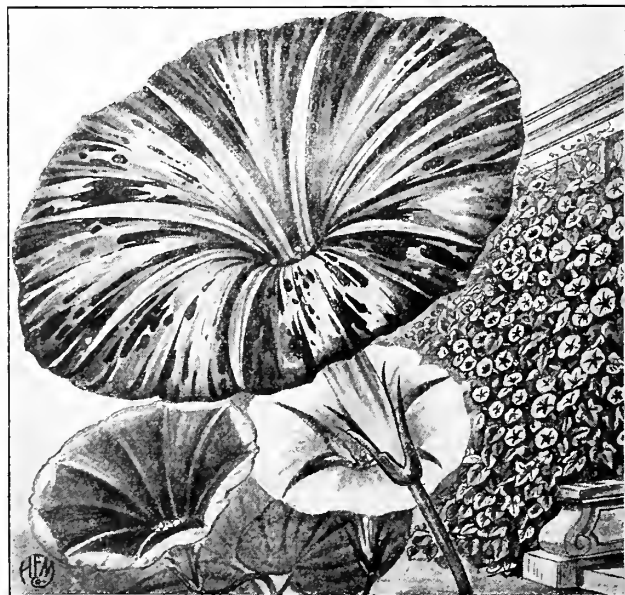
Double Flowering. Mixed colors......50 .10

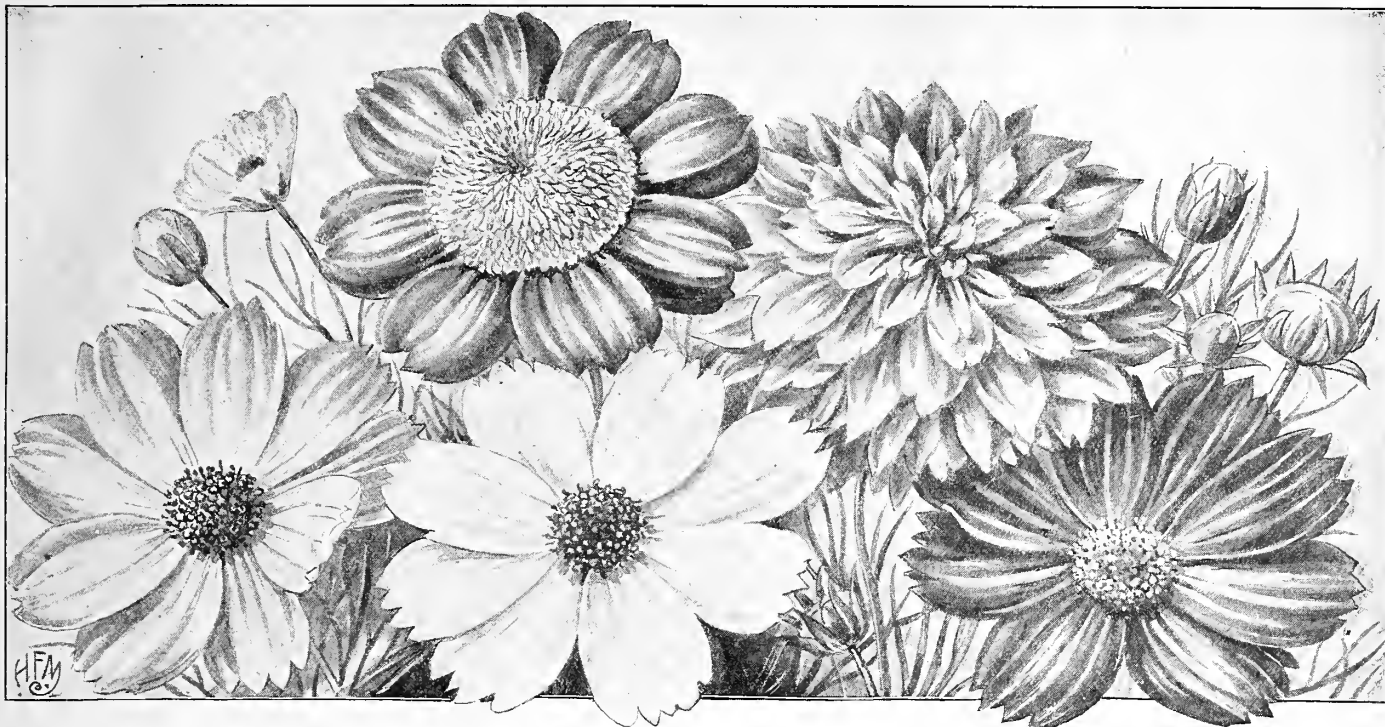
MINOR, OR DWARF VARIETIES

A very showy, hardy annual for flower beds and borders, also rock work; height, 1 foot. Oz. Pkt.

Tricolor. Blue.....\$0.20 \$0.10

Mixed Colors......20 .10

COREOPSIS. See Calliopsis**CORNFLOWER. See Centaurea***Cineraria, Stellata Hybrida*



Michell's Giant Flowering Cosmos

COSMOS

One of the most beautiful and useful of hardy annuals, producing large showy flowers in great profusion; excellent for cutting. Any garden soil will grow Cosmos to perfection.

DOUBLE EARLY FLOWERING COSMOS

This new early flowering strain will begin blooming in July and continue until frost. The flowers are full, round and double.

	Oz.	Pkt.	Pkt.
Double Early Flowering, Crimson	\$0.75	\$0.25	
“ “ “ Pink.....	.75	.25	
“ “ “ White.....	.75	.25	
“ “ “ Mixed.....	.60	.25	

DOUBLE LATE FLOWERING COSMOS

These, which are of recent introduction, are becoming more popular each season. Excellent for cutting.

	Oz.	Pkt.	Pkt.
Double Crested Crimson. A large percentage of the flowers have double crowns, giving them an attractive appearance.....	\$0.50	\$0.15	
Double Crested Pink Beauty.....	.50	.15	
Double Crested White Queen. Pure white.....	.50	.15	
Double Crested Mixed.....	.50	.15	

GIANT LATE FLOWERING COSMOS

Large flowers of perfect form, on long stems and lasting until frost; 5 to 6 feet.

	Oz.	Pkt.	Pkt.
Giant Crimson	\$0.50	\$0.25	\$0.10
“ Pink.....	.50	.25	.10
“ White.....	.50	.25	.10
“ Mixed.....	.40	.25	.10
Giant Lady Lenox. Flowers are of immense size, with wide overlapping petals, making a perfectly circular flower; shell pink.....	.50	.25	.10
Giant White Lady. A selection from the Lady Lenox described above; pure white..	.50	.25	.10
Klondyke. Large golden yellow flowers, borne on long stems.....	1.25	.30	.10

COSMOS—Continued

LARGE EARLY FLOWERING COSMOS

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

	Oz.	Pkt.	Pkt.
Crimson	\$0.60	\$0.25	\$0.10
Pink.....	.60	.25	.10
White.....	.60	.25	.10
Mixed.....	.50	.25	.10

COWSLIP. See Primula Veris

CUPHEA (Cigar Plant)

	Oz.	Pkt.	Pkt.
Platycentra. Interesting bedding plant; the flower is shaped like a hollow cigar; color, scarlet with a black and white tip; 1 foot.....	\$0.75	\$0.10	

CYCLAMEN

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

MICHELL'S GIANT SHOW

Grown for us by a specialist who has received numerous first prizes for the large size and beautiful coloring of the flowers.

	Oz.	Pkt.	Pkt.
Bright Red	\$2.50	\$0.50	
Dark Blood Red	2.50	.50	
Glory of Wandsbek. Salmon red.....	2.50	.50	
Perle of Zehlendorf. Salmon pink.....	2.50	.50	
Pure White	2.50	.50	
Rose of Marienthal. Bright pink.....	2.50	.50	
Salmon Purple	2.50	.50	
Salmon Scarlet	3.00	.50	
White with Carmine Eye	2.50	.50	
Mixed. All colors.....	2.00	.40	

CYNOGLOSSUM (Chinese Forget-Me-Not)

	Oz.	Pkt.	Pkt.
Amabile. Hardy annual; color, indigo blue; very sweet scented.....	\$0.50	\$0.10	



CYPERUS (Umbrella Plant)

Alternifolius. An elegant plant for growing in water or damp places; useful as a pot plant. Large pkt. Pkt.
\$0.50 \$0.10

CYPRESS VINE (*Ipomoea Quamoclit*)

A very graceful twining annual climber, with delicate fern-like foliage; it is of rapid growth, and a beautiful vine for trellises, verandas, etc. Seed should be soaked for a few hours in warm water before sowing; 15 feet.

	Oz.	Large Pkt.	Pkt.
Scarlet	\$0.50	\$0.25	\$0.10
White	.50	.25	.10
Mixed	.40	.25	.10



Dahlia, Double Large Flowering

DAHLIAS (From Seed)

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises. Seed should be started in the house from February till May and the young plants set outdoors after all danger from frost is past.

DOUBLE FLOWERING VARIETIES

	Large pkt.	Pkt.
Cactus. Choice mixed, from the best varieties...	\$0.75	\$0.10
Large Flowering (<i>Show Type</i>). Mixed; extra fine.	.60	.10

SINGLE FLOWERING VARIETIES

Collarette. Flowers of various colors, with a collar of small petals around the centre; novel and beautiful.	.40	.10
Giant Perfection. Immense single flowers of various colors; many beautifully striped and spotted.	.30	.10

DAISY, ENGLISH DOUBLE (*Bellis Perennis*)

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and protected during the winter, and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

	Large pkt.	Pkt.
Monstrosa, Pink. These surpass all strains of this popular plant in strong, robust growth and in the abundance of extra large, perfectly double flowers.	\$0.75	\$0.25
Monstrosa, White.	.75	.25
Monstrosa, Mixed.	.75	.25
Double Mixed. Extra fine.	.50	.10

DELPHINIUM (Hardy Perennial Larkspur)

One of the finest hardy perennials; very easily grown from seed, blooming the first season if sown early. Very effective in beds, masses or borders. To prolong the season of bloom, cut the old flower stems off after they have faded and new shoots will produce flower heads successively.

Belladonna. One of the most continuous blooming varieties; immense spikes of clear turquoise blue, which cannot be excelled for beauty; 5 feet. Pkt., 25c.; 60c. per large pkt.

Bellamosum. A rich, deep blue form of the popular light blue Belladonna. Pkt., 25c.; 75c. per large pkt.

Chinense Grandiflorum. A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet. Pkt., 10c.; 30c. per large pkt.; oz., \$1.25.

Chinense Grandiflorum Album. Pure white flowers. Pkt., 10c.; 30c. per large pkt.; oz., \$1.25.

Formosum. Deep blue; 3 feet. Pkt., 10c.; 75c. per large pkt.; oz., \$3.50.

Gold Medal Hybrids. Produces long spikes of large flowers. An extra fine strain containing many shades of blue. Pkt., 10c.; 40c. per large pkt.; oz., \$1.50.

Double Hybrids. A splendid mixture of large double flowering varieties. Pkt., 15c.; 75c. per large pkt.

Woodacres Hybrids. An extra selected strain from one of the finest collections in the world. Pkt., \$1.00.

Blue Butterfly. An annual variety of an exquisite deep blue. Pkt., 15c.; 50c. per large pkt.; oz., \$2.25.

White Butterfly. A splendid white flowering type of the above. Pkt., 15c.; 50c. per large pkt.; oz., \$2.25.

For Annual Larkspur, see page 30.

DIANTHUS. See next page.

DICTAMNUS (Gas Plant)

	Large pkt.	Pkt.
Fraxinella. Showy, bushy plants, 2½ feet high; purple red flowers; June and July.	\$0.40	\$0.10
Fraxinella Alba. Pure white flowers.	.60	.10

DIDISCUS

Coeruleus (Blue Lace Flower). An easily grown annual which is becoming very popular; the plant grows about 18 inches high and produces attractive, umbel-shaped flowers of lace-like appearance; the color is a delicate azure blue; blooms from July until frost; excellent for cutting. It is also desirable as a pot plant for winter blooming in greenhouse or conservatory. Per pkt., 15c.; 50c. per large pkt.



Delphinium, Belladonna

HEA
c.
24.



Dianthus—Annual Pinks

DIANTHUS (Pinks)

A most satisfactory class of flowers, easily raised from seed; are in constant bloom the entire season; excellent for cutting.

DOUBLE ANNUAL SORTS

	Large pkt.	Pkt.
China or Indian Pink. All colors mixedoz., 60c.	\$0.25	\$0.10
Fireball. Fiery scarletoz., \$1.50	.40	.10
Fringed. Large flowers; mixedoz., \$1.00	.30	.10
Japan Pink. Choice mixedoz., 75c.	.25	.10
White. Large fringed flowersoz., \$1.50	.40	.10

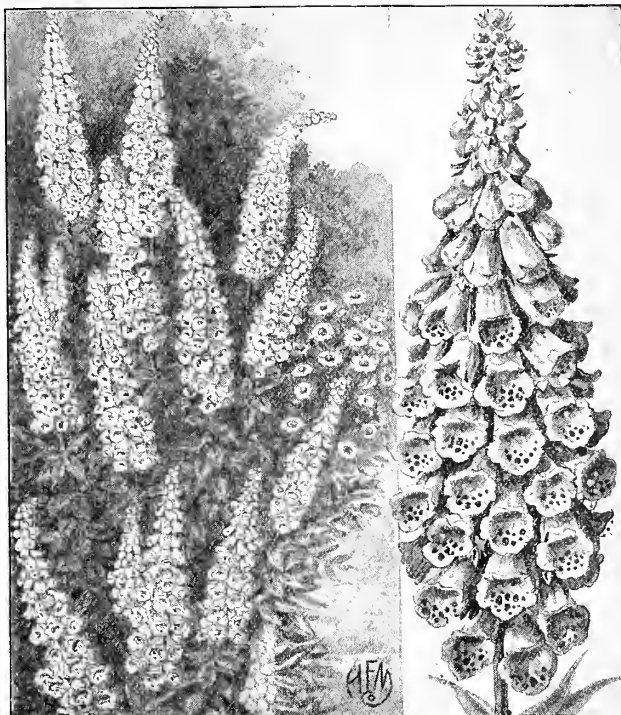
SINGLE ANNUAL SORTS

Japan Pink. All colors mixedoz., 60c.	.25	.10
---	-----	-----

HARDY GARDEN PINKS

Elegant summer flowering border plants, producing a wealth of deliciously fragrant flowers.

	Large pkt.	Pkt.
Clove Scented. Double and semi-double varieties, in beautiful colors; fragrant	\$0.50	\$0.10
Deltoides (Maiden Pink) Brilliant. Dwarf brilliant carmine . . . . .	.75	.15
Double Scotch. Choice colors . . . . .	.50	.15
Erfurt. Dwarf; compact; early; mixed colors . . . . .	.60	.10
Latifolius Atrococcineus Fl. Pl. (Everblooming Hybrid Sweet William). Free flowering; velvety crimson scarlet; double . . . . .	.40	.10
Pheasant's Eye. Single fringed flowers; mixed colorsoz., 75c.	.25	.10
Superbus Nanus. Dwarf, pure white; sweet scented . . . . .	.60	.10



Digitalis (Foxglove) Gloxiniaeflora

DIGITALIS (Foxglove)

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

	Oz.	Large Pkt.	Pkt.
Gloxiniaeflora, Pink	\$1.00	\$0.30	\$0.10
" Purple	1.00	.30	.10
" White	1.00	.30	.10
" Mixed . . . . .	.75	.25	.10
Grandiflora. Light yellow	1.25	.30	.10
Maculata Superba. A beautiful spotted variety . . . . .		.40	.15

DIMORPHOTHECA

	Large pkt.	Pkt.
Aurantiaca (African Orange Daisy). One of the showiest garden annuals; compact, bushy plants with orange-gold daisy-like blooms on long stems; excellent for cutting.	\$0.30	\$0.10
Aurantiaca Hybrida. A splendid mixture of colors and shades, from white through various shades of yellow, orange, rose, etc. . . . .	.30	.10

DOLICHOS (Hyacinth Bean)

Rapid growing annual climber, bearing a profusion of beautiful flowers; excellent for arbors, trellises, etc.

	Oz.	Pkt.
Darkness. A variety from Japan; rapid grower; flowers reddish violet.	\$0.25	\$0.10
Daylight. A pure white variety . . . . .	.25	.10
Choice Mixed . . . . .	.20	.10

DRACAENA

Ornamental plants for vases or conservatory decoration.

	Large pkt.	Pkt.
Australis. Broad green leaves	\$0.30	\$0.10
Indivisa. Narrow green leavesoz., 50c.	.25	.10

DUSTY MILLER. See *Centaurea* and *Cineraria Maritima*.

ECHINOCYSTIS (Wild Cucumber Vine)

Lobata. One of the quickest growing vines; excellent for covering trellises, fences, etc.oz., 30c.	.10
--	-----



Everlastings should be grown in every garden, not only for summer blooming, but also as cut flowers for winter decorations. The flowers should be picked before they expand and hung, with the tops downward, to dry for winter bouquets.

ACROCLINIUM (Everlasting Flower)

Showy, free-flowering annual plants; excellent for cutting. 1 foot. Large pkt. Pkt.
 Double Rose Pink.....\$0.25 \$0.10
 Double White......25 .10
 Double Mixed......25 .10

GOMPHRENA (Globe Amaranth)

Also called "Bachelor's Buttons;" a showy annual everlasting; when dried are useful for winter bouquets; fine for bedding.

	Oz.	Pkt.	Pkt.
Globosa. White.....	\$0.50	\$0.25	\$0.10
Nana Compacta. Dwarf red; 1 foot.....	.50	.25	.10
Mixed. All colors; 2 feet.....	.50	.25	.10

RHODANTHE (Everlasting Flower)

Mixed Colors. A beautiful annual, for the garden or for pot culture; valuable for dried winter bouquets; 1 foot. Large pkt. Pkt.
 \$0.25 \$0.10

ECHINOPS (Globe Thistle)

Ritro. A splendid perennial with metallic blue, thistle-like flowers; 2 feet..... .75 .15

ERYNGIUM (Sea Holly)

A handsome, perennial ornamental plant, with round heads of flowers, which can be cut and dried for winter bouquets; 3 feet. Large pkt. Pkt.
 Amethystinum. Metallic blue flowers.....\$0.75 \$0.15
 Planum. Pale blue......25 .10

ESCHSCHOLTZIA (California Poppy)

An elegant hardy annual with fine cut foliage, and large Poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 foot. Large pkt. Pkt.
 Californica. Pure yellow.....oz., 40c.\$0.25 \$0.10
 Carmine King. Beautiful carmine rose...oz., 60c. .25 .10
 Golden West. Large golden yellow flowers. oz., 40c. .25 .10
 Mandarin. Inner side of petals orange, outer petals brilliant scarlet.....oz., 50c. .25 .10
 Mauve Beauty (New). Beautiful lavender mauve. Flowers large and attractive.....oz., \$2.25 .50 .15
 Rose Cardinal. Carmine rose.....oz., 40c. .25 .10
 Vesuvius. Rich wallflower or coppery red...oz., 90c. .30 .10
 White.....oz., 40c. .25 .10
 Choice Mixed.....oz., 40c. .25 .10
 Collection, one packet each, 8 varieties......60

EULALIA (Ornamental Grass) See Page 28.

EUPATORIUM

A fine hardy perennial which will grow and thrive in almost any situation; blooms the first season from seed if sown early; excellent for cutting; 2 feet. Large pkt. Pkt.
 Fraseri. Feathery white flowers.....\$0.30 \$0.10

HELICHRYSUM (Strawflower)

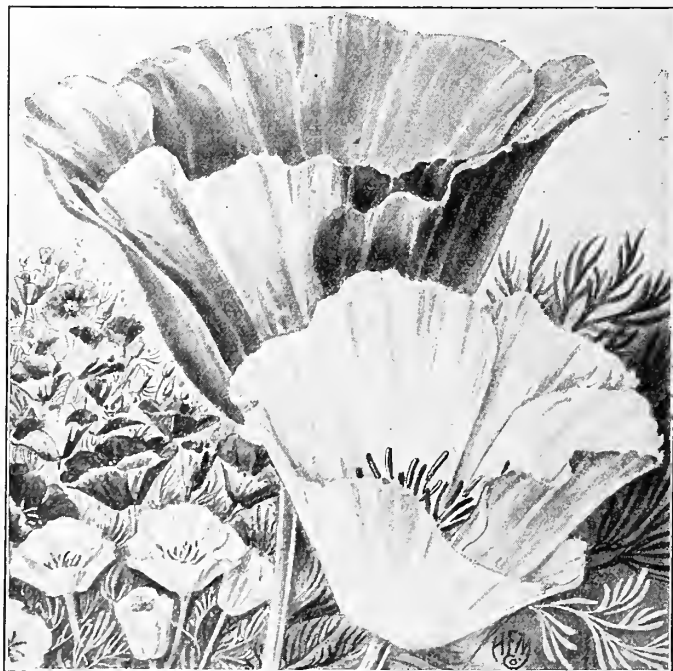
One of the best and most popular of the everlasting flowers; the varieties offered below are all of the Monstrum type, producing larger and more perfectly double flowers than the old variety. Valuable for cutting or decoration, either when fresh or in their dried state. 2 feet. Oz. Large pkt. Pkt.

Buttercup. Canary yellow.....	\$0.90	\$0.30	\$0.10
Fireball. Crimson.....	.90	.30	.10
Golden Ball. Golden yellow.....	.90	.30	.10
Rose Carmine.....	.90	.30	.10
Salmon Pink.....	.90	.30	.10
Silver Ball. White.....	.90	.30	.10
Violet.....	.90	.30	.10
Choice Mixed.....	.75	.25	.10

Collection, one packet each six colors, 50c.

XERANTHEMUM (Everlasting Flower)

Double Mixed. Showy annual, producing a profusion of flowers; excellent for winter bouquets.....\$0.25 \$0.10



Eschscholtzia (California Poppy)



EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed; height 2 feet. Large pkt. Pkt.

Heterophylla (*Mexican Fire Plant*). Glossy green leaves turning to orange scarlet in mid-season.... \$0.30 \$0.10
Variegata (*Snow on the Mountain*). Foliage veined and margined with white..... oz., 50c. .25 .10

FERNS

Adiantum (*Maiden Hair*). Mixed..... 1.00 .15
Pteris Varieties. Mixed..... 1.00 .15
All Sorts Mixed. Choice collection..... 1.00 .15
We can also furnish all other good varieties of fern spores.

FEVERFEW (*Matricaria*)

Double White. Hardy annual; free flowering; for bedding or pot culture; showy double white flowers; 18 inches..... oz., 60c. .25 .10
Golden Ball. Dense habit; bright yellow flowers.. .75 .10

FORGET-ME-NOT. See *Myosotis*
FOUR O'CLOCK. See *Marvel of Peru*
FOXGLOVE. See *Digitalis*



Gaillardia, Grandiflora Superba

GAILLARDIA (*Blanket Flower*)

ANNUAL VARIETIES

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

Large pkt. Pkt.
Picta Lorenziana. Double mixed..... oz., 60c. \$0.25 \$0.10
Picta Mixed. Single flowers in all colors..... oz., 60c. .25 .10

PERENNIAL VARIETIES

One of the most brilliant of hardy perennials, blooming the first year from seed if sown early; 2 feet. Large pkt. Pkt.
Grandiflora Compacta. A compact variety; choice mixed colors; 12 to 15 inches..... oz., 90c. \$0.30 \$0.10
Grandiflora Sanguinea. Blood red flowers..... .30 .10
Grandiflora Semi-Double. Mixed..... .30 .10
Grandiflora Superba. Mixed colors..... oz., 60c. .25 .10

GENTIANA (*Blue Gentian*) Large pkt. Pkt.

Acaulis. A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations..... \$0.40 \$0.10

GERANIUM

100 seeds Pkt.

Apple Scented. Highly esteemed on account of its fern-like fragrant foliage; 1 foot..... \$0.50 \$0.10
Pelargonium (*Lady Washington*). Seed saved from the largest flowered show varieties..... 2.50 .25

Large pkt. Pkt.
Zonale Mixed. A superb strain of the largest and finest varieties; 1 to 2 feet..... \$0.50 \$0.10

GERBERA (*Transvaal Daisy*)

Splendid greenhouse perennials with large fine-leaved daisy-like flowers; splendid for pot plants or cutting. 100 seeds Pkt.
Jamesoni Hybrida. These hybrids include a wonderful range of brilliant colors and shades.... \$0.75 \$0.25

GEUM

Large pkt. Pkt.

Atrosanguineum Fl. Pl. A beautiful hardy perennial, bearing large, showy, double dark crimson flowers all through the summer; fine for bouquets; 1½ ft..... \$0.40 \$0.10
Lady Stratheden (*New*). Double golden yellow flowers..... .75 .25
Mrs. Bradshaw. Large, double brilliant scarlet flowers; blooms the entire summer..... .60 .15

GLOXINIA

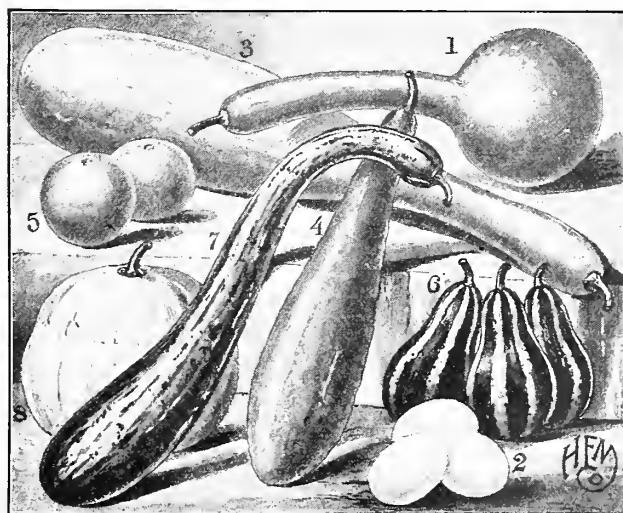
Hybrida Grandiflora. An extra fine strain, embracing all the choicest self-colored and tigated and spotted flowers..... .85 .25

GODETIA (*Satin Flower*)

Beautiful and easily grown hardy annuals producing a profusion of flowers of satiny texture. Large pkt. Pkt.
Choice Mixed. All colors..... \$0.25 \$0.10

GOMPHRENA (*Globe Amaranth*)

See *Everlastings*, page 26.



Ornamental Gourds

GOURD (*Ornamental*)

Rapid growing, interesting annual climbers with ornamental foliage and singular shaped fruit; 15 to 20 feet.

	Oz.	Large Pkt.	Pkt.
Calabash or Dipper . No. 1.....	\$0.40	\$0.25	\$0.10
Egg Shaped . White like an Egg. No. 2....	.40	.25	.10
Hercules Club . Club-shaped. No. 3.....	.40	.25	.10
Luffa (<i>Dish Rag</i> or <i>Bonnet Gourd</i>). No. 4....	.40	.25	.10
Orange Shaped (<i>Mock Orange</i>). No. 5.....	.40	.25	.10
Sugar Trough . Used as water holder. No. 8..	.40	.25	.10
Mixed . In a great variety.....	.40	.25	.10

GYNERIUM (*Ornamental Grass*). See page 28.

**GRASSES (Ornamental)**

These are very interesting and useful, either for growing in clumps, mixed borders or in shrubberies. Also when dried they are fine for winter bouquets and decorations, for which purpose they should be gathered before fully matured.

ARUNDO (Great Reed)

Donax. Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 feet... Large pkt. Pkt. \$0.25 \$0.10

AVENA (Animated Oats)

Sterilis. Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches..... .25 .10

BRIZA (Quaking Grass)

Maxima. Elegant panicles; excellent for bouquets and dried flowers; annual; 1 foot..... .25 .10

BROMUS

Brizaeformis. Large drooping panicles, useful for bouquets; 2 feet; annual..... .25 .10

COIX LACHRYMAE (Job's Tears)

A strong, broad leaved ornamental grass, with large shining, pearly seeds; annual; 2 to 3 feet...oz., 20c. .10

EULALIA

Japonica. A hardy perennial variety, with long graceful leaves, green and white striped; 4 to 5 feet. .25 .10

GYNERIUM (Pampas Grass)

Argenteum. White silvery plumes; perennial; blooms the second season; 8 to 10 feet..... .25 .10

HORDEUM JUBATUM (Squirrel Tail Grass)

Bushy panicles; excellent for bouquets; annual; 3 feet. .25 .10

PENNISETUM

Longistylum. Graceful greenish-white plumes; fine for beds or dried bouquets; 2 feet; annual..... .25 .10

Ruppelianum (Purple Fountain Grass). Excellent for beds or for dried bouquets; purple plumes; 3 feet; annual..... .25 .10

STIPA PENNATA (Feather Grass)

Hardy perennial with silvery-white, feathery plumes; flowers the second season; 2 feet..... .40 .10

GREVILLEA (Silk Oak) Large pkt. Pkt.

Robusta. A beautiful and graceful decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed. Produces good sized plants in a short time.....oz., \$1.00 \$0.30 \$0.10

HELENIUM (Sneeze Wort)

Autumnale Superbum. Hardy perennial, succeeding in almost any kind of soil; large heads of golden yellow flowers; blooms in late summer and autumn; 5 to 6 feet..... .40 .10

HELIANTHEMUM (Rock, or Sun Rose)

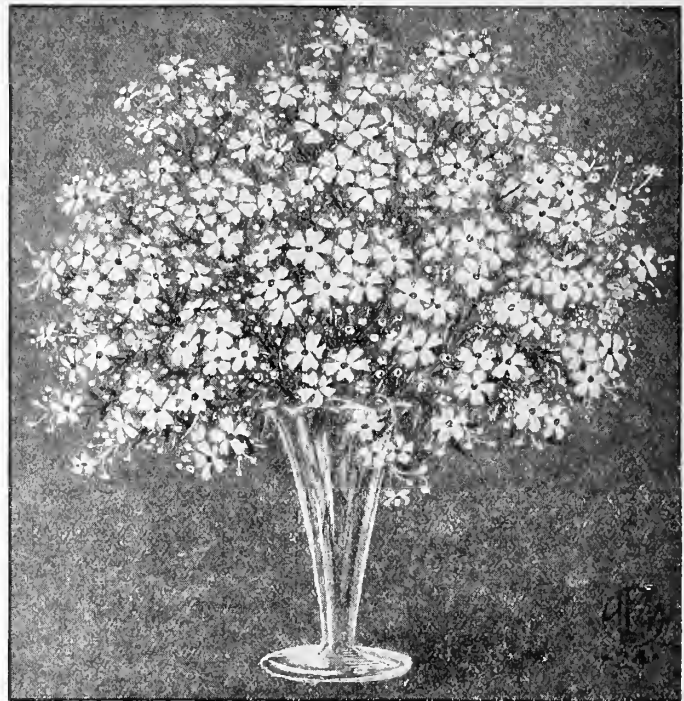
Mutabile. A very pretty perennial for the rockery; completely covered with masses of bloom from July to September; choice mixed varieties..... .40 .15

HELIANTHUS. See Sunflower**HELICHRYSUM. (Strawflower)**

See Everlastings, page 26.

HELIOPSIS (Orange Sunflower)

Pitcheriana. A handsome hardy perennial, producing an abundance of deep orange-yellow flowers the entire summer; excellent for cutting; 3 to 4 feet... .25 .10



Gypsophila Elegans, Alba Grandiflora

GYPSOPHILA (Baby's Breath)

Pretty, free-flowering plants of easy culture; excellent for cutting to mix with other flowers; 2 feet.

	Oz.	Large pkt.	Pkt.
Elegans Alba Grandiflora. (<i>True Paris Market Strain</i>). A splendid annual variety; delicate sprays of pure white flowers.....	\$0.25		\$0.10
Elegans Carminea. Bright carmine rose...	.30		.10
Elegans Rosea. Pink.....	.30		.10
Paniculata. Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early.....	.60	\$0.25	.10
Paniculata fl. pl. Perennial, with a profusion of double white flowers.....	.75		.20
Repens. A fine rockery plant, covered with tiny white flowers.....	.40		.15

HELIOTROPE

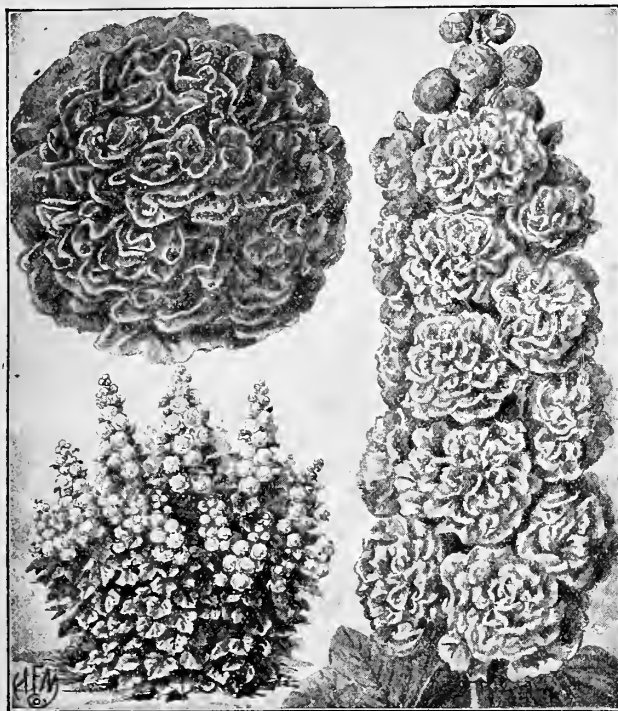
A well-known and highly prized plant on account of the delightful fragrance of the flowers; seed started indoors in the spring will make fine plants for summer blooming; can also be sown outdoors in May; excellent for pots, or for bedding; 18 inches.

	Large pkt.	Pkt.
Lemoine's Giant. Produces a profusion of flowers nearly double the size of the old sort; mixed colors.....	\$0.50	\$0.15
Regal. Of dwarf compact growth; immense flowers, all shades.....	.60	.15
Choice Mixed. In great variety.....	.40	.10

HESPERIS. See Sweet Rocket.**HIBISCUS (Marshmallow)**

Showy ornamental perennial plants for mixed beds or shrubbery borders, with large and beautifully colored flowers.

	Large pkt.	Pkt.
Crimson Eye. Flowers large; color, pure white with velvety crimson center; 4 feet.....	\$0.25	\$0.10
Moscheutos. Large, rosy pink flowers.....	.30	.10
New Giant (Mallow Marvel). A greatly improved form; gigantic single flowers; many shades of red, pink, purple and white in mixture.....	.25	.15



Hollyhock, Chater's Double

HOLLYHOCK

A popular and desirable hardy perennial plant succeeding best in rich well-drained soil; excellent for planting among shrubbery or forming a background for other flowers; seed sown any time before midsummer will produce fine plants for blooming the following summer; 6 to 7 feet.

	Oz.	Large Pkt.	Pkt.
Allegheny. Semi-double; mammoth flowers edges fringed and lacinated; mixed.....	\$1.50	\$0.40	\$0.10
Chater's Double Maroon	2.00	.50	.10
Chater's Double Pink	2.00	.50	.10
Chater's Double Red	2.00	.50	.10
Chater's Double Salmon	2.00	.50	.10
Chater's Double White	2.00	.50	.10
Chater's Double Yellow	2.00	.50	.10
Chater's Double Mixed	1.50	.40	.10
Double Newport Pink. Pure pink.....	2.25	.50	.10
Collection, one packet each 6 colors.....			.50
Single Mixed.....	.90	.30	.10

ANNUAL EVER-BLOOMING HOLLYHOCK

While these are also hardy perennial varieties if seed is sown in the house in March or April they will bloom the first season.

Double Ever-blooming Mixed. Colors range from white to deep black, yellow, pink, red and purple.....oz.	\$1.50	Large pkt.	Pkt.
Single Ever-blooming Mixed.....oz.	.90	.30	.10

HONESTY (*Lunaria*) Large pkt. Pkt.

Biennis Alba. Hardy biennial admired for its silvery seed pods which are used for ornamental purposes; beautiful and curious, 2 feet.....	\$0.30	\$0.10
--	--------	--------

HORDEUM (Ornamental Grass) See page 28.

HUMULUS (Japanese Hop)

A rapid growing annual climber with luxuriant foliage; excellent for covering verandas, trellises, etc.

	Oz.	Large Pkt.	Pkt.
Japonicus. The foliage resembles that of the common Hop; is very dense and of a lively green color.....	\$0.50	\$0.25	\$0.10
Japonicus Variegatus. A variegated variety of the above. The leaves are beautifully mottled and splashed silvery white, light and dark green.....	.75	.25	.10

HUNNEMANNIA (Giant Yellow Tulip Poppy)

Large pkt. Pkt.

Fumariaefolia. Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of July continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height 2 feet.....oz. 75c. \$0.25 \$0.10

HYACINTH BEAN. See *Dolichos*

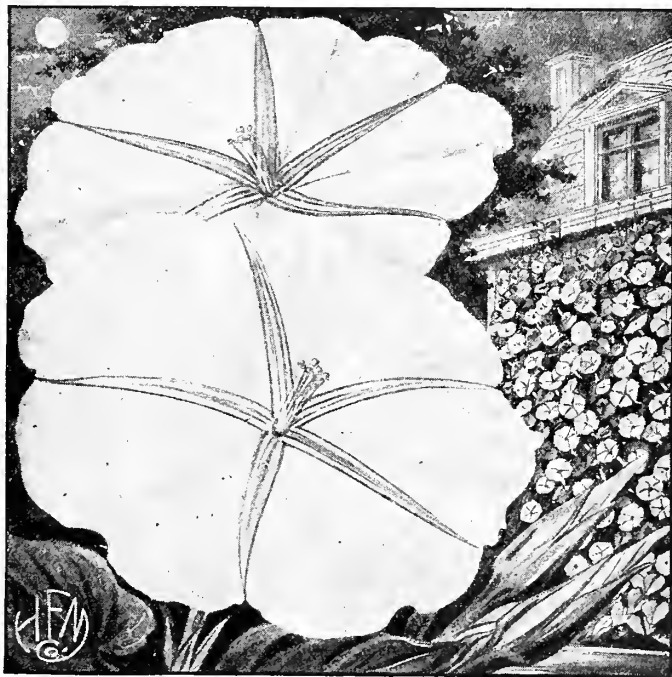
IBERIS. See Candytuft

ICE PLANT. See *Mesembryanthemum*

IMPATIENS (Sultan's Balsam)

A charming plant for house and conservatory decorations, flowering profusely and almost continuously. Large pkt. Pkt.

Holstii. Resembles <i>Impatiens Sultani</i> in leaf and shape of bloom but flowers are larger; color vermilion red.....	\$0.75	\$0.20
Holstii, "New Hybrids." The colors offered in these Hybrids are beautiful and of many shades....	.75	.15
Sultani. Bright rose.....	.75	.15
Sultani Hybrids. Colors range from pale pink to dark crimson.....	.75	.15



Ipomoea (Moon Flower). (Large pkt., 25c.)

IPOMOEA

Large pkt. Pkt.

Heavenly Blue (<i>Rubra Coerulea</i>). Beautiful large sky-blue flowers.....oz.	\$1.00	\$0.30	\$0.10
Noctiflora (<i>Moon Flower</i>). At night and during dull days the plants are covered with an abundance of large pure white fragrant flowers.....oz.	50c.	.25	.10
Quamoclit Hybrida (<i>Cardinal Climber</i>). Fiery cardinal red.....		.60	.10
Setosa (<i>Brazilian Morning Glory</i>). Large leaves and bright rose-colored flowers.....oz.	40c.	.25	.10
Mixed . Various colors.....oz.	50c.	.25	.10

IRIS (Flowering Flag)

Kaempferi (<i>Japanese Iris</i>). Hardy perennial; very showy; blooms the second year from seed; mixed colors; 3 feet.....	.25	.10
---	-----	-----

JOB'S TEARS (See Grasses, Page 28)

KENILWORTH IVY (*Linaria Cymbalaria*)

A charming, neat trailing plant, for baskets, vases, pots and rock work; flowers violet.....	.60	.10
--	-----	-----



KOCHIA (Summer Cypress or Mexican Fire Bush)

Large pkt. Pkt.

Childsii. An easily grown annual, which forms a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet.....oz., 40c. \$0.25 \$0.10

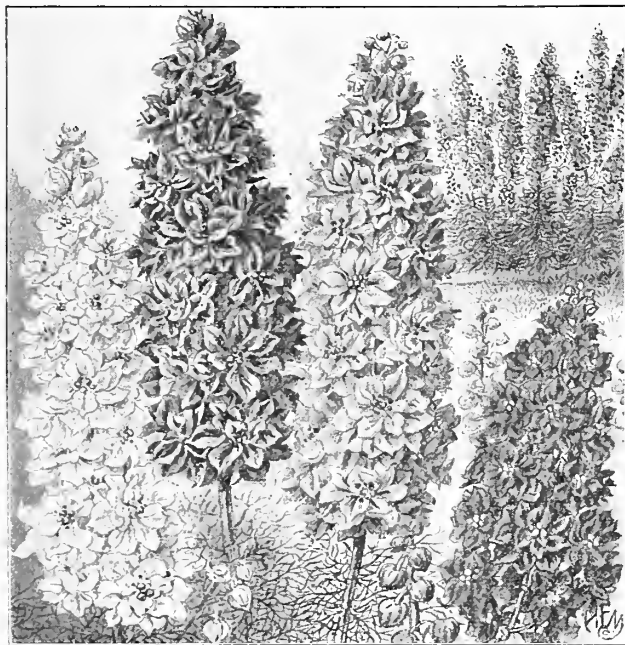
KUDZU VINE. See *Pueraria*

LADY SLIPPER. See *Balsam*

LANTANA

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble *Verbenas*; plants grow erect and remain in bloom all summer.

Dwarf Mixed. 10 inches high; all colors.....oz., \$0.25 \$0.10
Choice Mixed. 2 to 3 feet high.....oz., 75c. .25 .10



Larkspur, Double Tall Stock Flowered

LARKSPUR (Annual)

Of easy culture; seed sown early in spring will produce blooming plants by July; fern-like foliage and slender spikes with double rosette flowers; fine for cutting or garden decoration.

DWARF DOUBLE ROCKET

Mixed. A compact bushy plant with several Oz. Large Pkt. Pkt.
spikes of double flowers; height, 1 foot....\$0.40 \$0.25 \$0.10

GIANT HYACINTH FLOWERED

The flowers are large, very double and borne on spikes resembling a double Hyacinth; 1½ feet.

Mixed Colors......Oz. Large Pkt. Pkt.
\$0.75 \$0.25 \$0.10

TALL DOUBLE STOCK FLOWERED

Plants branch freely, bearing long spikes of beautiful double flowers; height, 2½ feet.

.....Oz. Large Pkt. Pkt.
Dark Blue......\$0.75 \$0.25 \$0.10
Lilac.......75 .25 .10
Lustrous Carmine.......75 .25 .10
Shell Pink.......75 .25 .10
Sky Blue.......75 .25 .10
White.......75 .25 .10
Mixed. All colors......50 .25 .10

Collection, one packet each of the above 6 colors, 50c.

Emperor, Pink Delight (New). For bedding or pots; compact growth; color, soft rose pink; 2 feet... .50 .25

Exquisite (New). An extra fine variety of this popular annual; color, soft pink.....40 .25

For Perennial Larkspur, see *Delphinium*, page 24.

LATHYRUS LATIFOLIUS

(Everlasting or Perennial Pea)

Showy hardy perennial climber; fine for covering walls, stumps, fences, etc. Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting; 6 to 8 feet.

.....Oz. Large pkt. Pkt.
Crimson. Brilliant.....\$1.25 \$0.30 \$0.10
Pink Beauty. Bright rosy-pink.....1.50 .40 .10
White......1.25 .30 .10
Choice Mixed. All colors......75 .25 .10

LAVENDER (*Lavendula Vera*)

Well-known, hardy perennial, bearing long spikes of fragrant blue flowers; excellent for the mixed border; 18 inches.....oz., 75c. .25 .10

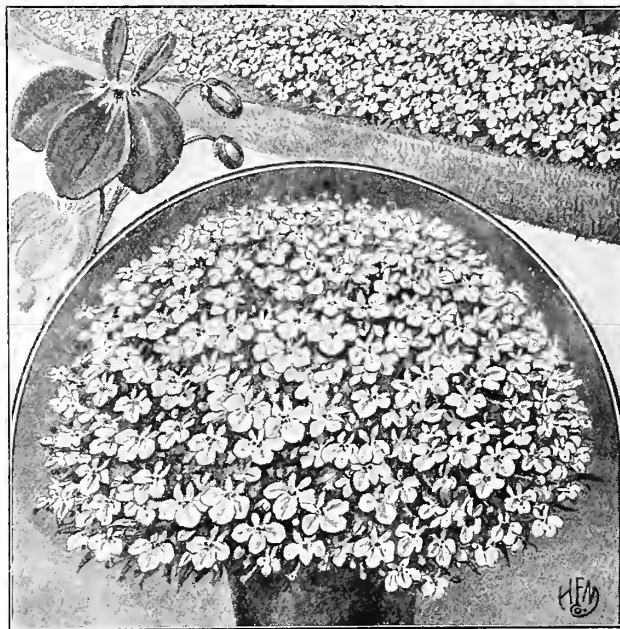
LIATRIS (Blazing Star)

Spicata. A showy hardy perennial border plant, with large spikes of violet purple flowers; 2 feet... .40 .15

LINARIA CYMBALARIA. See *Kenilworth Ivy*

LINUM (Flax)

erenne. Bright blue flowers; perennial; 1½ feet.....oz., 75c. .25 .10



Lobelia, Crystal Palace Compacta

LOBELIA

No garden is complete without an edging of blue Lobelia, and for a long season of bloom there is nothing that can take its place; also desirable for pots, hanging baskets, etc. Large pkt. Pkt.

Barnard's Perpetual. Deep blue with white eye; trailing; an excellent sort.....\$0.50 \$0.10

Blue Bird (New). Dwarf and compact; bright blue flowers.....1.00 .20

Crystal Palace Compacta. Very compact; deep blue; the best for edging......60 .10

Crystal Palace Speciosa. Of trailing habit; deep ultramarine blue; fine for vases......30 .10

Emperor William. Flowers sky blue; plants compact......50 .10

Sapphire. A beautiful trailing variety, of strong growth; the flowers are unusually large; color, deep blue with large clearly defined white eye......75 .20

Mixed. All colors......40 .10

Cardinalis (Cardinal Flower). Hardy perennial, with long spikes of cardinal red flowers. Will thrive well in shady situations......75 .10



Lupinus

LUPINUS (Lupin) ANNUAL VARIETIES

Very popular, free flowering, easily grown plants of branching habit, with long spikes of pea-shaped flowers for most of their length; excellent for cutting; will bloom in six weeks after sowing; 2 feet.

	Oz.	Large Pkt.	Pkt.
Rich Blue	\$0.40	\$0.25	\$0.10
Pink	.40	.25	.10
Scarlet, White Tipped	.40	.25	.10
Sky Blue	.40	.25	.10
White	.40	.25	.10
Yellow	.50	.25	.10
Mixed. All colors	.40	.25	.10

PERENNIAL VARIETIES

A beautiful perennial of easy culture, with graceful spikes of pea-shaped flowers; excellent for cutting; May and June; 2 to 3 feet.

	Oz.	Large Pkt.	Pkt.
Polyphyllus Blue	\$0.25	\$0.10	
Polyphyllus Moerheimi. Long spikes, pink and white	.60	.25	
Polyphyllus Roseus. Pink	.30	.10	
Polyphyllus White	.25	.10	
Polyphyllus Mixed	oz., 40c.	.25	.10
Polyphyllus, New Hybrids Mixed	.50	.10	

LYCHNIS

One of the finest hardy perennials; remarkable for the brilliancy of their flowers; of easy culture; excellent for massing in large beds or borders.

	Oz.	Large Pkt.	Pkt.
Arkwrightii. Splendid new hybrids; free flowering	\$0.75	\$0.25	\$0.25
Chalcedonica (Rose Champion). Fine scarlet cross-like flowers; 2 feet; July	oz., 50c.	.25	.10
Haageana. Brilliant, large, orange, scarlet, pink and crimson flowers in mixture; 1 foot; July	.75	.10	

MARVEL OF PERU. See Next Page

MATRICARIA. See Feverfew

MATTHIOLA

Bicornis (Evening Scented Stock). A desirable annual on account of its delightful fragrance during the evening; color purplish lilac. .25 .10



Marigold

MARIGOLD (Tagetes)

These are old favorite free flowering annuals with rich and showy flowers blooming all summer. The Tall African varieties are well adapted for large beds or mixed borders while the Dwarf French varieties are better suited for bedding purposes.

AFRICAN VARIETIES

Tall growth, from 2½ to 3 feet high.

Large pkt. Pkt.

El Dorado. All shades of yellow	oz., 75c.	\$0.25	\$0.10
Lemon Queen. Soft lemon yellow	oz., \$1.00	.30	.10
Orange Prince. Large flowers of a deep golden orange color; very showy	oz., \$1.00	.30	.10
Large African. Tall double mixed	oz., 50c.	.25	.10

FRENCH VARIETIES

Dwarf Gold Striped. Double brownish red striped golden yellow; 1 foot	oz., 75c.	.25	.10
Legion of Honor (Little Brownie). Single flowers; golden yellow with a large spot of crimson velvet; 9 inches; early flowering	oz., 50c.	.25	.10
Dwarf French Mixed. All colors; 1 foot	oz., 50c.	.25	.10

MAURANDIA

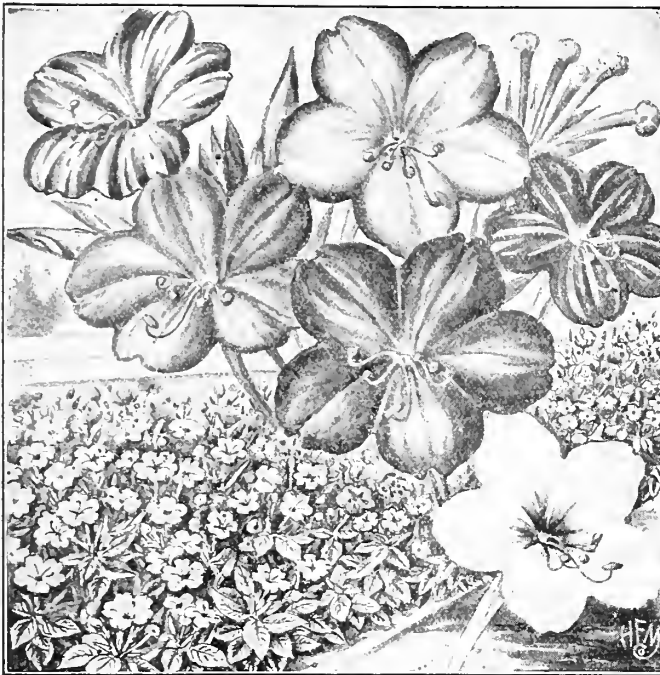
A climber of rapid growth, for baskets, vases and trellises; produces tube-shaped flowers; 10 feet.

Barclayana. Purple	\$0.75	\$0.10
Choice Mixed	.50	.10

MESEMBRYANTHEMUM

Dwarf trailing annuals for rockeries, edgings and vases.

Crystallinum (Ice Plant). Singular icy foliage; flowers white	.25	.10
---	-----	-----



Marvel of Peru (Four O'clock)

MARVEL OF PERU (Four O'clock)

Choice Mixed. Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 feet.....\$0.25 \$0.10

MIGNONETTE

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; can also be grown in pots for winter and early spring flowering. Lg. pkt. Pkt.

Allen's Defiance. Spikes invariably attain a height of 12 to 15 inches; fragrant. oz. 60c. \$0.25 \$0.10

Goliath. Giant spikes of red flowers. oz. \$1.50 .40 .10

Machet. Large reddishtinted, sweet scented flowers. oz., 75c. .25 .10

Michell's Colossal. Foliage, stalks and flowers are very robust. The flower-spikes often average 18 to 24 inches; extremely fragrant. .75 .15

New York Market. A selected strain..... .60 .15

White Goliath. An extra fine white sort..... .40 .10

Sweet Scented. The popular garden sort. oz. 25c. .10

Imported Collection. Six varieties..... 40



Mignonette, Michell's Colossal

MIMOSA. See Sensitive Plant

MIMULUS

Showy, profuse flowering plants; fine for greenhouse or moist, shady situations; half hardy perennials blooming the first year if sown early.

Large pkt. Pkt.

Tigrinus (Monkey Flower). Fine mixed tigered and spotted varieties; 1 foot.....\$0.50 \$0.10

MOMORDICA. See Balsam Apple

MONKSHOOD. See Aconitum

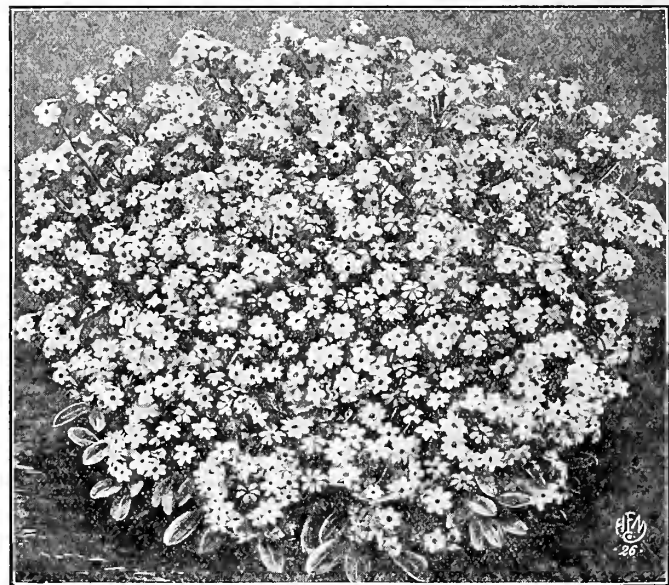
MOONFLOWER. See Ipomoea

MORNING GLORY. See Convolvulus

MOURNING BRIDE. See Scabiosa

MUSA ENSETE (Abyssinian Banana)

A handsome tropical plant for planting individually or for the center of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in hotbed or bottom heat in greenhouse. Per 10 seeds 35c.; 75c. per 25 seeds.



Myosotis—Alpestris Victoria

MYOSOTIS (Forget-Me-Not)

Beautiful, half hardy perennials blooming the first year from seed; succeeding best in moist shady situations. Sown in the spring they will flower in the fall; if wanted for early spring flowering seed should be sown in frames in July or August.

Large pkt. Pkt.

Alpestris Victoria. Of bushy habit; bearing large bright blue flowers; very fine; 6 inches.....\$0.40 \$0.10

Eliza Fanrobert. Of strong growth with clusters of large, bright blue flowers; 10 inches..... .40 .10

Grandiflora Alba. Large white flowers; 8 inches... .40 .10

Grandiflora Rosea. Large pink flowers; 8 inches... .40 .10

Michell's Winter Flowering. The finest variety for forcing; long stems, deep blue flowers..... .75 .15

Palustris Semperflorens. Dwarf; blooms the entire season; deep blue..... .60 .10

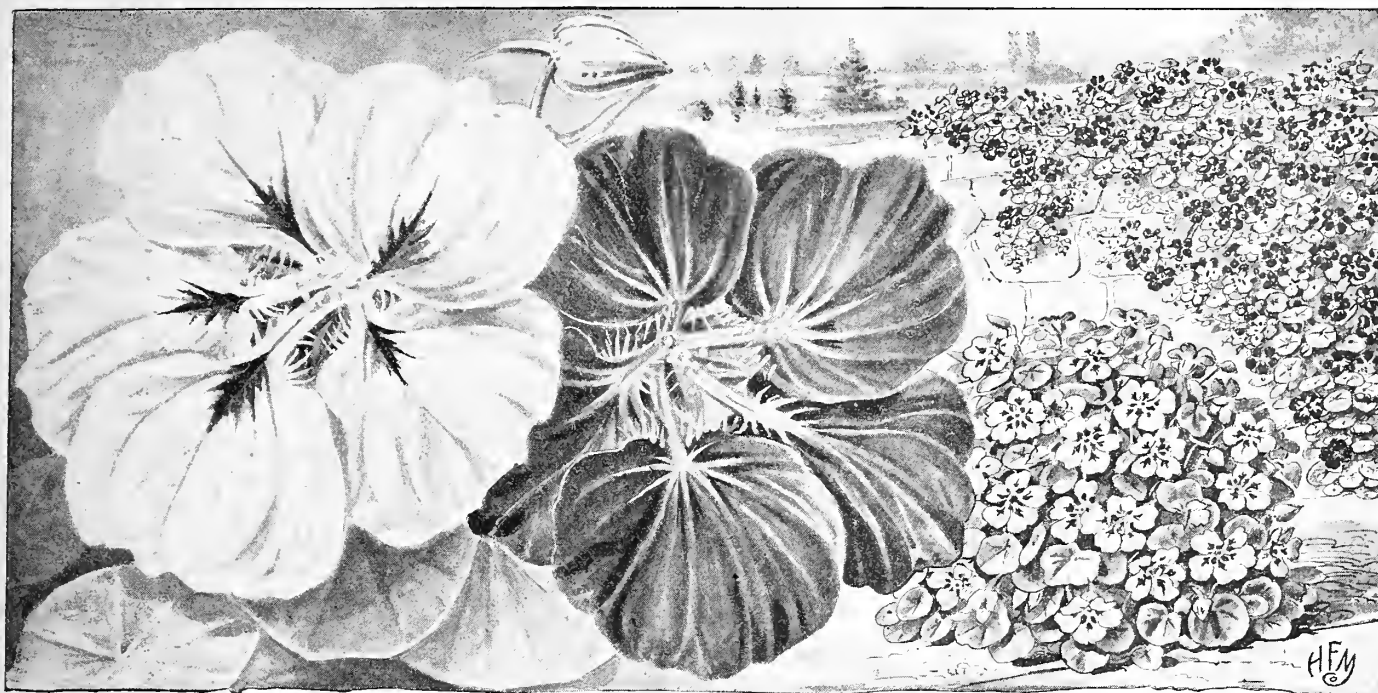
Choice Mixed. oz., 75c. .25 .05

Testimonial

Washington C. H., Ohio

I had beautiful Zinnias of all kinds and also the Elk's Pride and Pride of Portland Petunias, from your seeds last year; they were admired by all who saw them.

Mrs. M. L. M.



Mitchell's Giant Flowering Nasturtiums

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size, as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well-drained soil.

DWARF OR BEDDING (Tom Thumb)

Of dwarf, compact growth; excellent for borders or for bedding, forming plants about 1 foot high by 1 foot across.

	$\frac{1}{4}$ lb.	Oz.	Pkt.
Aurora. Rich yellow, veined carmine.....	\$0.60	\$0.20	\$0.05
Beauty. Yellow, with scarlet veinings.....	.60	.20	.05
Bronze. Burnished bronze color.....	.60	.20	.05
Chameleon. Produces various colors and markings on the same plant.....	.60	.20	.05
Cloth of Gold. Bright golden yellow leaves and brilliant scarlet flowers.....	.60	.20	.05
David Burpee Spencer. Compact plants with emerald green leaves, which are wavy and ruffled; flowers deep scarlet.....	.60	.20	.05
Empress of India. A splendid variety, with dark leaves and crimson flowers.....	.60	.20	.05
Golden King. Dark foliage; rich, golden yellow flowers.....	.60	.20	.05
Golden Queen. Foliage and flowers golden yellow.....	.60	.20	.05
King of Tom Thumbs. Dark green foliage; scarlet flowers.....	.60	.20	.05
King Theodore. Dark foliage; flowers crimson maroon.....	.60	.20	.05
Lady Bird. Rich orange yellow, with a red blotch at the base of the petals.....	.60	.20	.05
Pink. Soft rose color.....	.60	.20	.05
Prince Henry. Cream, spotted and tipped red.....	.60	.20	.05
Queen of Tom Thumbs, Crimson. Silver variegated foliage and rich, bright crimson flowers.....	.60	.20	.10
Scarlet. Brilliant.....	.60	.20	.05
Vesuvius. Salmon pink; dark leaved.....	.60	.20	.05
Yellow. Bright shade.....	.60	.20	.05

Collection. One packet each 12 dwarf varieties, 50c.

Choice Mixed, Dwarf. Comprising a large variety of brilliant colors. $\frac{1}{4}$ lb. Oz. Pkt.
Lb., \$1.25.....\$0.45 \$0.15 \$0.05

Mitchell's Giant Flowering Mixed Dwarf.

This is one of the finest mixtures, composed of the largest and best named varieties and cannot be surpassed for brilliancy of color.

Per lb., \$2.00..... .60 .25 .10

Queen of Tom Thumbs, Mixed. Silver

variegated foliage; flowers in a great variety of colors.....

.75 .20 .10

LOBB'S CLIMBING NASTURTIUMS

(Tropaeolum Lobbianum)

These are exceedingly free flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets and rockeries, also for greenhouses or conservatory during the winter; 8 to 10 feet.

$\frac{1}{4}$ lb. Oz. Pkt.
Choice Mixed. Lobb's varieties, all colors.
Per lb., \$1.25.....\$0.50 \$0.15 \$0.05

For Tall or Climbing Nasturtiums, see next page.

MICHELL'S PRACTICAL GARDEN POINTERS

Is the title of a publication we have compiled that contains valuable information on things floricultural, horticultural and agricultural. There is a free copy for you. Just say, "Send me 'Practical Garden Pointers.'" A post card will do.



MICHELL'S GIANT FLOWERING NASTURTIUMS—Continued

TALL OR CLIMBING

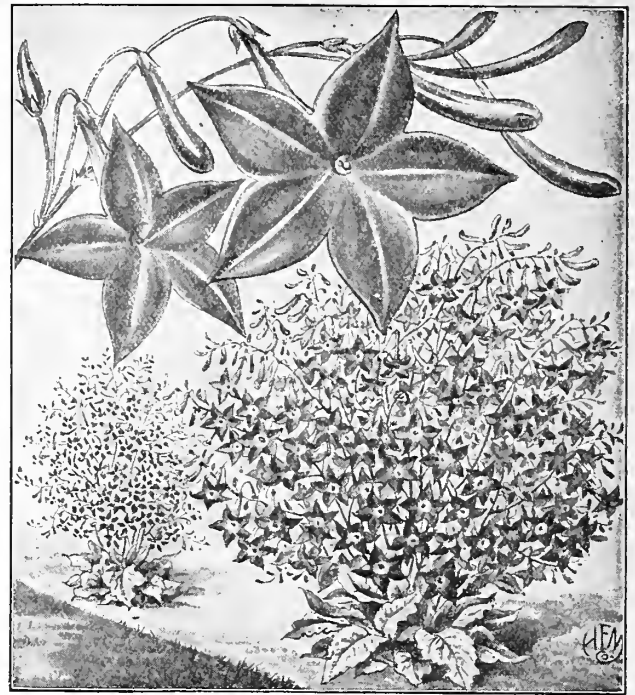
For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; the seed pods can be gathered while green and tender for pickling. Height, 8 to 10 feet.

	¼ lb.	Oz.	Pkt.
Chameleon. Produces different colored flowers on the same plant.....	\$0.50	\$0.15	\$0.05
Crimson. Rich and velvety.....	.50	.15	.05
Hemisphaericum. Orange-salmon and scarlet.....	.50	.15	.05
King Theodore. Dark foliage; flowers crimson maroon.....	.50	.15	.05
Orange. A deep shade.....	.50	.15	.05
Pearl. Creamy white.....	.50	.15	.05
Pink. Soft rose color.....	.50	.15	.05
Prince Henry. Cream, spotted and tipped red.....	.50	.15	.05
Scarlet. Very bright.....	.50	.15	.05
Vesuvius. Salmon pink.....	.50	.15	.05
Yellow......	.50	.15	.05
Choice Mixed, Tall or Climbing. Lb., \$1.25	.40	.15	.05
Michell's Giant Flowering Mixed Tall. This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. Per lb., \$2.00.....	.60	.25	.10

Collection. One packet each, 12 tall varieties, 50c.

NEMESIA

	Large pkt.	Pkt.
Strumosa Suttoni. A splendid annual, with large flowers varying in color from creamy white to deep orange and carmine; fine for bedding; 18 inches....	\$0.60	\$0.15



Nicotiana (Flowering Tobacco)

NICOTIANA (Flowering Tobacco)

Extremely showy annual plants, giving a continuous display of brilliant flowers through the summer and autumn; plants are of branching habit; 2 to 3 feet high.

	Large pkt.	Pkt.
Affinis. Fragrant, tubular, pure white flowers.....	\$0.25	\$0.10
Affinis Hybrida. Large, sweet-scented flowers; colors range through creamy white and rose tints to bright red and crimson in mixture.....	.25	.10
Sanderae. An excellent variety, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant.....	.25	.10

NIGELLA (Love in a Mist)

Lovely garden annuals, with finely cut green foliage, and curious looking flowers and seed pods.

	Large pkt.	Pkt.
Damascena. Blue and white mixed; double; 1 foot.....	\$0.25	\$0.10
Miss Jekyll. A lovely variety, with long stems, and bearing a profusion of beautiful double flowers of a clear cornflower blue; excellent for cutting; 18 inches.....	.25	.10

OENOTHERA (Evening Primrose)

Beautiful hardy perennials of easy culture; the plants continue in bloom throughout the summer.

	Large pkt.	Pkt.
Missouriensis. A prostrate growing variety, with large, bright-yellow flowers.....	\$0.75	\$0.15
Youngi. A showy variety, with large yellow flowers; 3 feet.....	.60	.15

ORNAMENTAL GRASSES. See page 28

PAPAVER. See Poppy

PARIS DAISY. See Chrysanthemum

PELARGONIUM. See Geranium

PENNISETUM (Ornamental Grass). See page 28.

Strictly considered this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring.

PANSIES IN MIXTURES

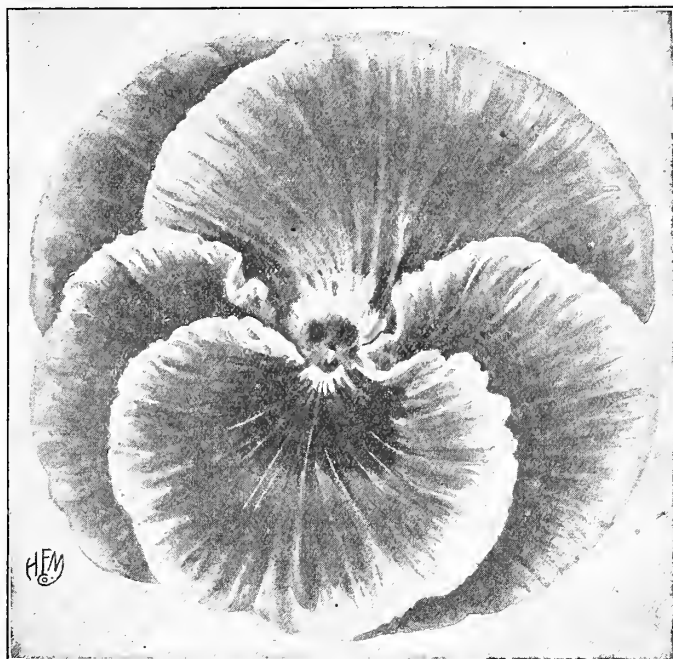
Large pkt. Pkt.

Michell's Giant Exhibition. A blending of our own containing only the very choicest secured from the leading Pansy specialists; it can be relied upon to produce flowers of immense size very heavy texture and of the most brilliant colors. Per oz., \$10.00; \$3.00 per ¼ oz.; per ⅛ oz., \$1.75.....	\$0.75	\$0.25
Giant Trimardeau. Very large flowering; all colors mixed.....	¼ oz., \$1.00 .40	.10
Mad. Perret. Early flowering; fragrant; especially rich in red shades, ¼ oz., \$1.25.....	.75	.25
Masterpiece (Fried Pansy). Beautiful rich colors; petals curled or waved, ⅛ oz., \$1.00.....	.75	.25
Triumph of the Giants Mixed. Immense flowers of great brilliancy and richness of colors, including many new and rare shades. Per oz., \$11.00; \$3.25 per ¼ oz.; per ⅛ oz., \$2.00.....	.85	.50
Finest English Mixed	oz., \$2.25 .40	.10

Testimonial

Easton, Pa.
The pansies raised from your seed last fall are in full bloom now and they are wonderful; am well satisfied.

S. H.



Michell's Giant Exhibition Pansy

GIANT PANSIES (Separate Colors)

A strain secured from the leading pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture.

	¼ oz.	Large Pkt.	Pkt.
Giant Prize, Azure Blue. Violet blue.....	\$1.00	\$0.50	\$0.15
Giant Prize, Black Blue. Dark velvety...	1.00	.50	.15
Giant Prize, Emperor William. Ultra-marine blue.....	1.00	.50	.15
Giant Prize, Hortensia Red. Scarlet....	1.00	.50	.15
Giant Prize, King of the Blacks	1.00	.50	.15
Giant Prize, Lord Beaconsfield. Violet...	1.00	.50	.15
Giant Prize, Peacock. Upper petals blue, lower petals deep claret with white margin..	1.00	.50	.15
Giant Prize, Snow Queen. Pure white...	1.00	.50	.15
Giant Prize, White, with dark eye	1.00	.50	.15
Giant Prize, Pure Yellow	1.00	.50	.15
Giant Prize, Yellow, with dark eye	1.00	.50	.15
Giant Prize, Orange King (New). Flowers large; lower petals orange, upper petals are of a distinct creamy tint.....		.50	.25

SPECIAL OFFER.—We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or 12 pkts. for \$1.40.

PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing freely large spikes of handsome tubular flowers in almost every shade and color.

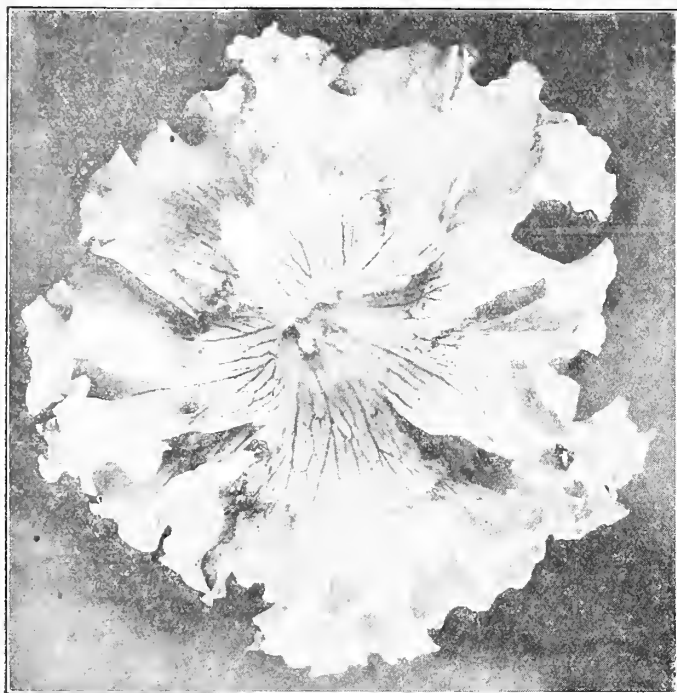
Large pkt. Pkt.

Sensation. Plants produce large spikes of gloxinia-like flowers of the most brilliant and varied colors; will bloom the first season if sown early; 2 feet; requires protection.....	\$0.50	\$0.15
---	--------	--------

New Hybrids, Mixed. Produces large spikes of handsome flowers; 3 feet.....	.50	.10
---	-----	-----

Pentstemon, New Hybrids

MICHELL'S PETUNIAS



Petunia, California Giants

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage. Seeds must be carefully handled, as they are extremely fine, but the plants are of easiest culture. We call especial attention to our Large Flowering strains, which for size and brilliancy of coloring cannot be surpassed.

SINGLE FLOWERED PETUNIAS

	Large pkt.	Pkt.
California Giants. One of the largest varieties; bright and desirable colors; strong robust plants. .	\$.050	\$.025
Diener's Ruffled Monsters. A new variety and a greatly improved type, with extra large flowers in a wide range of colors; flowers are beautifully ruffled and fringed. .	.85	.25
Dwarf Inimitable. Of dwarf, compact habit; profuse bloomer; flowers striped and blotched. .	.50	.10
Monstrosus (Michell's). Extra large flowers, many of which are elegantly fringed; the colorings, markings, veinings, etc., are superb. .	.85	.25
Rosy Morn. Dwarf, bushy plants, bearing in great profusion brilliant rose-colored flowers with a white throat; excellent for pot culture. .	.50	.15
Rose of Heaven. Rich, brilliant rose color; a very effective variety. .	.60	.15
Ruffled Giants. Immense size flowers, exquisitely ruffled and frilled at edges. .	.50	.25
Snowball. A fine, compact sort, producing a profusion of satiny white flowers. .	.60	.10
Star (Howard's). A beautiful variety; produces a profusion of crimson-maroon flowers, with a distinct five-pointed white star. .	.60	.15
Choice Mixed. Striped and blotched.oz., \$1.50	.40	.10

Ask for Cultural Leaflet No. 205 on the growing of Petunias.

Testimonial

North Bergen, N. J.
The seeds of California Giants Petunia purchased from you, produced magnificent flowers; the colors were beautiful.
R. W. Y.

BALCONY PETUNIAS

A splendid free flowering type for window or porch boxes, vases, etc.; also valuable for bedding, giving a display of flowers throughout the entire summer, until frost; the flowers are large, averaging 3 inches across.

	Large pkt.	Pkt.
Blue. Rich indigo blue.	\$.075	\$.015
Crimson. Rich velvety crimson. . . . .	.60	.15
Rose. Brilliant rose pink. . . . .	.60	.15
White. Pure white. . . . .	.60	.15
Mixed Colors. . . . . .	.60	.15

PORTLAND PETUNIAS

For planting of veranda boxes and for choice potted plants, or for bedding out these Petunias in select colors, never fail to please.

	Large pkt.	Pkt.
Elk's Pride. Large size; deep royal purple.	\$1.25	\$.040
Irvington Beauty. Flowers fringed; peach blossom color, with white throat.	1.25	.40
Pride of Portland. Large, deep rose pink fringed flowers.	1.25	.40
Scarlet Beauty. Flowers fringed; color, shading from cherry red to deep maroon.	1.25	.40
White Beauty. Pure white flowers with finely fringed edges.	1.25	.40
Mixed Colors.	1.25	.40

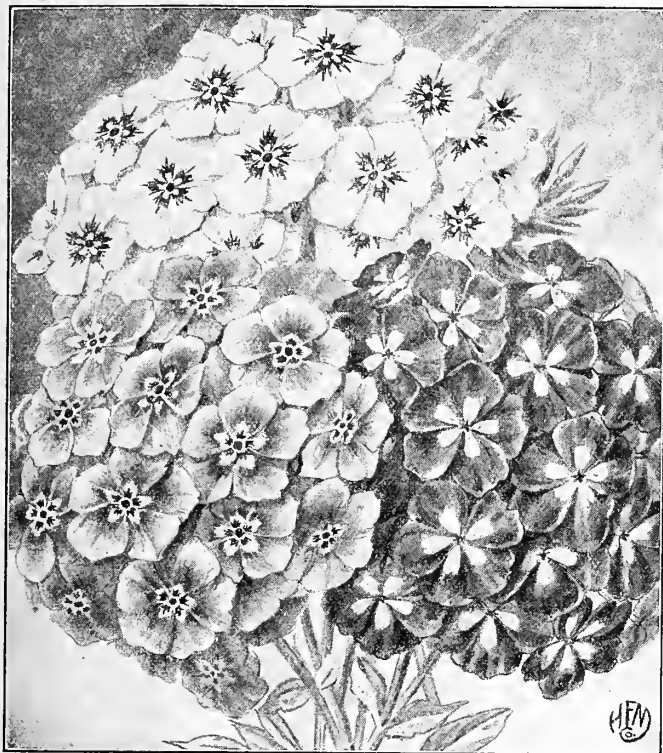


Giant Flowering, Double Petunia

DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers.

	Pkt.
Double Fringed White. Extra large, pure white fringed flowers. Per 500 seeds, \$2.00	\$.050
Double Fringed Mixed. Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and embracing a splendid variety of colors in many beautiful combinations. Per 500 seeds, \$1.50. . . . .	.50



Phlox Drummondii, Grandiflora

PHLOX DRUMMONDII

One of our finest hardy annuals and should occupy a prominent place in every garden; it is easy to grow and unequalled for its profusion of bloom, which will continue until frost; for bedding or massing nothing can surpass them for their brilliancy and richness of color. They produce immense trusses of large brilliant flowers of numberless hues.

DWARF OR COMPACT VARIETIES

The plants grow very symmetrical, in neat little bushes, 6 to 8 inches high and are covered with flowers during the whole summer and fall. Excellent for bedding or edging.

	Large pkt.	Pkt.
Cecily, Mixed. Large flowering, dwarf compact variety, of many beautiful colors and shades.....	\$0.60	\$0.10
Fireball. Brilliant scarlet.....	.60	.10
Pink.....	.60	.10
Snowball. Pure white.....	.60	.10
Choice Mixed ¼ oz., 75c.	.50	.10

GRANDIFLORA VARIETIES

An improved strain with large heads of bloom, as well as large individual flowers; 12 to 15 inches.

	Large pkt.	Pkt.
Alba. Pure white.....	\$0.40	\$0.10
Coccinea. Brilliant scarlet.....	.40	.10
Pink.....	.40	.10
Stellata Splendens. Scarlet with white eye.....	.40	.10
Choice Mixed. All colors..... oz., \$1.25	.30	.10

PHLOX (Hardy)

Decussata. Perennial plants 2 to 3 feet high; flowers in all bright colors; sow seeds late in fall and they will germinate in the spring..... ¼ oz., \$1.00 60 .10

PHYSALIS (Chinese Lantern Plant)

Francheti. Dense bushes about 2 feet high, producing freely, bright orange-scarlet, lantern-like fruits; perennial..... .30 .10

PHYSOSTEGIA

(False Dragon Head)

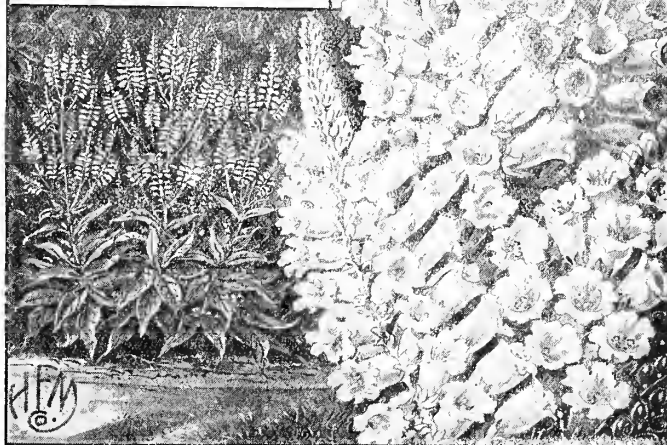
One of the most beautiful of our summer flowering perennial border plants; it forms dense bushes, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.

Virginica. Pink. Pkt., 10c.;

40c. per large pkt.

Virginica Alba. White. Pkt.,

10c.; 40c. per large pkt.



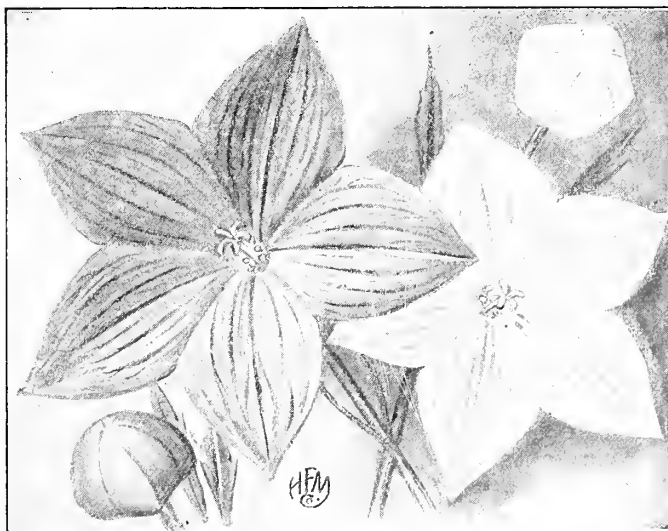
Physostegia

PINKS (See Carnations and Dianthus)

POLYANTHUS (Primula Elatior)

Beautiful spring-flowering hardy perennials either for pot culture or for the garden; succeeds best in partial shade; 9 inches.

Gold Laced. Flowers of brilliant colors with distinct yellow edge.....	Large pkt.	Pkt.
	\$0.75	\$0.15
English Mixed. All colors.....	.60	.10



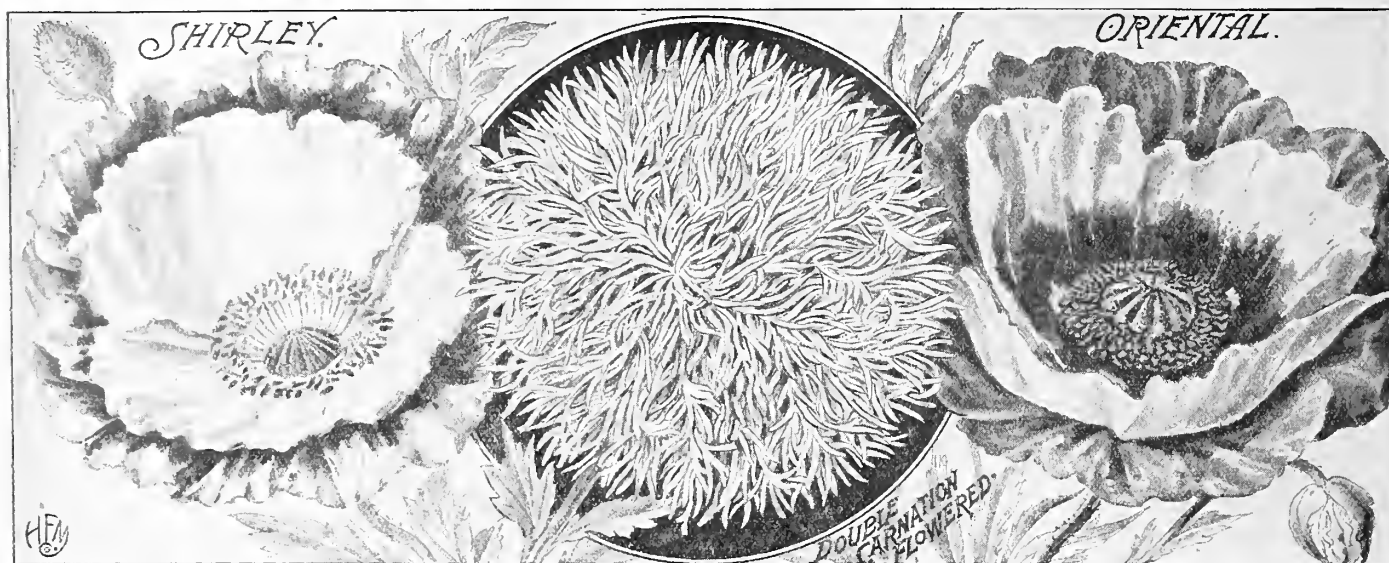
Platycodon, Grandiflorum

PLATYCODON (Chinese Bell Flower)

One of the best hardy perennials, bearing a profusion of large, bell-shaped flowers the whole season. Excellent for planting in borders or among shrubbery; 2 to 3 feet.

	Large pkt.	Pkt.
Grandiflorum Blue	\$0.40	\$0.10
Grandiflorum White.....	.40	.10

MICHELL'S POPPIES



One of our favorite and most popular flowers, producing during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown as early in the spring as possible, where they are to remain, as they do not stand transplanting. Sow very thinly and barely cover the seed, press down firmly and they will come up in a few days. Several sowings may be made at intervals to have a succession of bloom.

SINGLE ANNUAL POPPIES

	Oz.	Large Pkt.	Pkt.
King Edward. A large flowering variety, growing about 2½ feet high; deep scarlet, shaded crimson, with dark blotch at base...	\$0.40	\$0.25	\$0.10
Michell's Shirley. An improved strain of this lovely race of poppies varying in color from pure white and delicate pink to rosy carmine and deep crimson, in mixture. A bed of these poppies produces a gorgeous effect. If cut in the bud state and the stems put in water the flowers will open as well as on the plant.....	.40	.25	.10
Miss Sherwood. Satiny white with upper half of corolla chamois rose.....	.40	.25	.10
Tulip (Papaver Glaucum). One of the most brilliant varieties; resembles a large tulip; color a dazzling scarlet; 1 foot.....	.60	.25	.10
Umbrosum. Rich vermilion with a deep shining black spot on each petal; 2 feet.....	.40	.25	.10

FLANDERS POPPY

"In Flanders fields the poppies blow
Between the crosses row on row."

This is the well known poppy of Flanders field so often mentioned in songs and stories of the great war. Medium size bright scarlet flowers. Very showy when planted in masses. Pkt., 10c.; 25c. per large pkt.; oz., 40c.

AMERICAN LEGION POPPY

This new single poppy of the Shirley type is a dazzling orange-scarlet of immense size, borne on long, stout stems. The plants are of erect, robust growth and the flowers are good keepers when cut in bud. Pkt., 15c.; 25c. per large pkt.; oz., 75c.

Testimonial

Chester, Pa.

I am very much interested in your seeds and flowers; I have seen very many of your flowers growing and I must say that they are some of the most beautiful I have ever seen. Please send me one of your catalogs.

M. S.

DOUBLE ANNUAL POPPIES

	Oz.	Large Pkt.	Pkt.
Carnation Flowered. Flowers of large globular form with fringed petals; mixed colors; 2 feet.....	\$0.25		\$0.10
Crimson King. A dwarf variety with perfectly round flowers.....	.40	\$0.25	.10
Fairy Blush. Flowers white, elegantly fringed and tipped with rose; 2 feet.....	.40	.25	.10
Mikado (Striped Japanese). Double fringed flowers, white tipped with rose; 18 inches..	.40	.25	.10
Peony Flowered Mixed. Large double flowers resembling a Peony.....	.25		.10
Improved Shirley, May Queen. A re-selected strain; large double flowers; mixed colors.....		.30	.10
Collection, one packet each, 6 varieties, single and double, 50c.			

ICELAND POPPIES (Papaver Nudicaule)

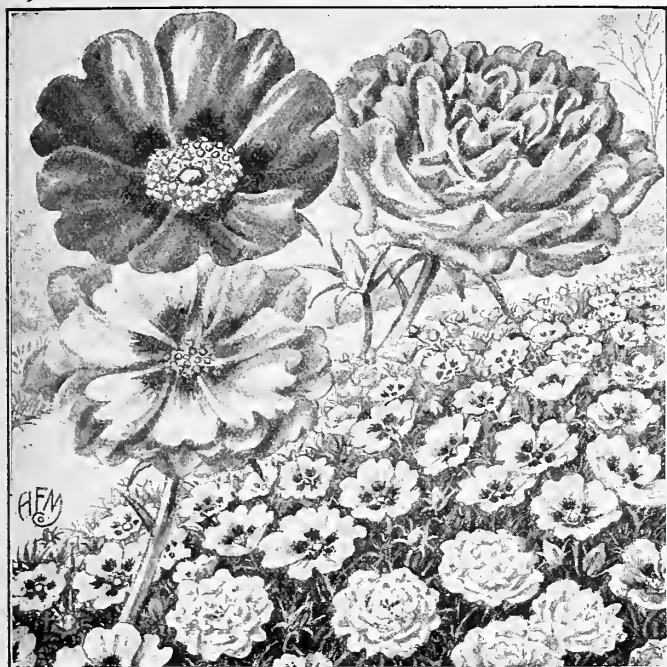
While these are hardy perennials, they flower the first year from spring sown seed. They are of graceful habit, with fern-like foliage; the satin-like flowers are borne in endless profusion and are excellent for cutting; 1 foot.

	Large pkt.	Pkt.
Orange Scarlet	\$0.40	\$0.10
White.....	.40	.10
Yellow.....	.40	.10
Single Mixed. Colors range from white and yellow to deep orange scarlet.....	¼ oz., 60c.	.40 .10
Sunbeam. Splendid new shades in mixture.....	.60	.15

ORIENTAL POPPIES

These are always popular in any perennial bed. The seeds should be sown in early spring in the open ground.

	Large pkt.	Pkt.
Orientele. Extra large flowers; deep scarlet ¼ oz., 40c.	\$0.30	\$0.10
Orientele, Mrs. Perry. Rich salmon pink.....	.60	.10
Orientele, Hybrids. Flowers of large size; mixed colors.....	¼ oz., 60c.	.40 .10



Portulaca, Single and Double

PORTULACA (Sun Plant)

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors.

	Large pkt.	Pkt.
Double Mixed. All colors.....	¼ oz., 75c.	\$0.50 \$0.10
Single Mixed. All colors.....	oz., 75c.	.25 .10

PRIMULA

FRINGED CHINESE PRIMROSE

These are among our finest winter and spring blooming pot plants for decorations in the home or conservatory. Our seed has been grown for us by Primula Specialists and cannot be excelled for size and brilliancy of colors. Our strains have won many first prizes.

	Large pkt.	Pkt.
Alba Magnifica. Large pure white flowers.....	\$0.85	\$0.40
Chiswick Red. Brilliant red.....	.85	.40
Duchess. Large white with zone of rosy carmine, yellow eye.....	.85	.40
Holborn Blue. A beautiful shade.....	.85	.40
Kermesina Splendens. Crimson.....	.85	.40
Rosy Morn. Delicate pink.....	.85	.40
Michell's Prize Mixture. This mixture contains only the finest sorts selected from the best strains..	.85	.25

PRIMULA OBCONICA

A beautiful and continuous blooming variety with handsome spikes of flowers and pretty foliage; elegant plants for greenhouse or light window of dwelling house.

	Large pkt.	Pkt.
Gigantea MONSTER. An extra large flowering strain of this popular Primula.....		
Apple Blossom. Soft pink.....	\$1.25	\$0.40
Kermesina. Deep crimson.....	1.25	.40
Deep Rose. Brilliant shade.....	1.25	.40
Rosea. Pink.....	1.25	.40
Salmon Queen.....	1.25	.40
Mixed Colors.....	1.25	.40
Grandiflora Alba. White.....	.75	.20
Coerulea. Blue.....	.75	.20
Hamburg Rose.....	.75	.20
Kermesina. Crimson.....	.75	.20
Lilacina. Pale lilac.....	.75	.20
Rosea. Pink.....	.75	.20
Hybrida. Mixed.....	.75	.20

PRIMULA, VARIOUS SORTS

	Large pkt.	Pkt.
Kewensis (<i>Verbena Scented Yellow Primrose</i>). Spikes each 12 to 18 inches long; color, soft yellow; very fragrant.....	\$0.75	\$0.25
Malacoides. Resembles Primula Forbesi, but the flowers are much larger; if grown in a greenhouse it will bloom in four to five months after sowing and continue for a long time; color, a pretty light lilac.....	.75	.20
Malacoides Alba. Flowers pure white.....	.75	.20
Malacoides, King Albert. Soft rose; very large flowers, almost circular in outline; a splendid novelty. Original pkt., 60c.		
Malacoides, Princess Patricia. Strong, robust grower; color, a beautiful lavender pink; flowers finely laced. Original pkt., 60c.		
Malacoides Superba. Deep rosy pink; large.....	.75	.40

HARDY PRIMROSE

Excellent early spring blooming plants; hardy, though in very cold localities they should have slight protection.

	Large pkt.	Pkt.
Japanica. One of the best hardy primroses for the garden; mixed colors.....	\$0.75	\$0.10
Veris (<i>English Cowslip</i>). Fragrant flowers of various colors; 6 inches; mixed.....	.60	.10
Vulgaris (<i>English Primrose</i>). Canary yellow; very fragrant.....	.60	.10

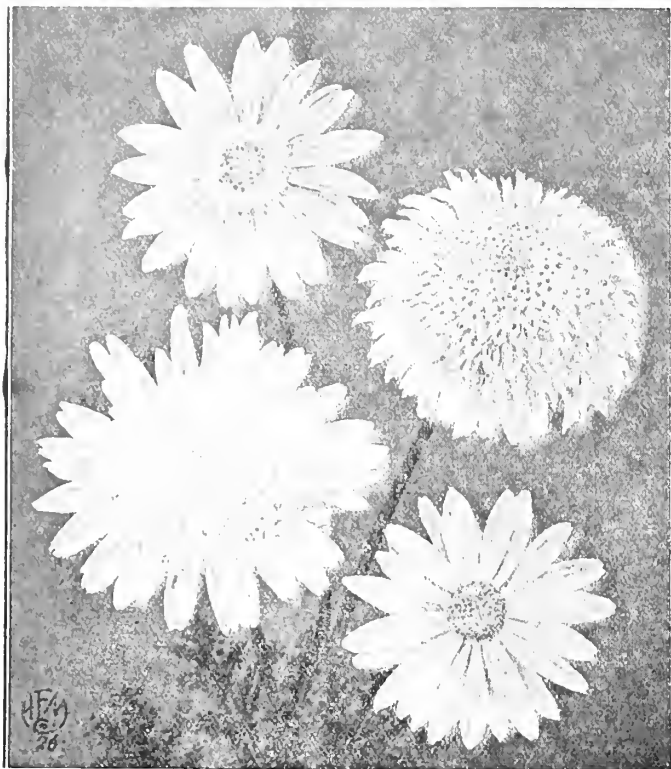
PUERARIA THUNBERGIANA

(Kudzu Vine)

One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; its foliage is large and covers well; rosy purple pea-shaped blossoms toward the end of August.....	.25	.10
--	-----	-----



Michell's Prize Chinese Primula

*Pyrethrum, Single and Double*

PYRETHRUM FOLIAGE SORTS

Foliage plants used for edging of ornamental beds; leaves are finely cut. Large pkt. Pkt.

Aureum (Golden Feather). Bright golden yellow foliage; 8 inches.....oz., 50c.\$0.25 \$0.10

FLOWERING SORTS

Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting. Large pkt. Pkt.

Roseum. Flowers bright rose color; July; 2 feet. \$0.60 \$0.10

Uliginosum (Giant White Daisy). Large, single white flowers; September; 3 to 4 feet..... .60 .10

Hybridum Single Mixed. Large flowers ranging in color from light pink to deep red, with bright yellow centers; July; 2 feet..... .50 .10

Hybridum Double Mixed..... .75 .25

RESEDA (See Mignonette)

RHODANTHE (Everlasting Flower) (See page 26)

RICINUS (Castor Oil Bean)

These ornamental plants are used with great effect on lawns as center pieces in flowering beds such as cannas, etc. Oz. Pkt.

Red Spire (New). Bronzy-green and red foliage. For full description, see page 9.....\$0.40 \$0.15

Cambodgensis. Large leaves, dark bronzy-maroon; 5 feet..... .25 .10

Gibsoni. Deep red foliage; 5 feet..... .25 .10

Sanguineus. Blood-red stalks and clusters of red fruit; 8 feet..... .25 .10

Zanzibariensis. Enormous leaves, varying in color from light green to purplish red; 12 feet..... .25 .10

Mixed. All sorts..... .20 .10

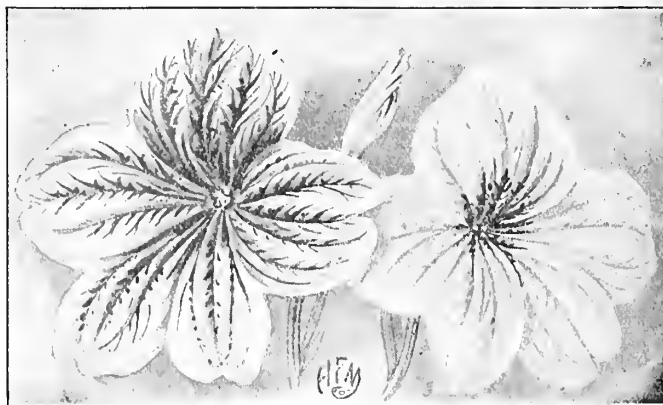
RUDBECKIA (Coneflower)

Large pkt. Pkt.

Bicolor Superba. A free-flowering annual; produces a profusion of yellow flowers with brown disc in center; 2 feet.....\$0.25 \$0.10

Newmani. Large yellow flowers with black center; perennial; very showy; 3 feet..... .40 .10

Purpurea (Giant Purple Coneflower). Hardy perennial; large showy, reddish purple flowers, with dark brown disc; 3 feet..... .40 .10

*Salpiglossis*

SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants which have become great favorites, not only because of its easy culture, but mainly for its beautifully tinted and veined flowers; blooms from early summer until late fall; 18 inches. Large pkt. Pkt.

Crimson and Gold.....\$0.50 \$0.10

Primrose..... .50 .10

Purple and Gold..... .50 .10

Rose and Gold..... .50 .10

Scarlet and Gold..... .50 .10

White and Gold..... .50 .10

Choice Mixed. All colors..... .30 .10

Collection. One packet each above, 6 varieties.... .50

Emperor Mixed. A new type, having only one main stem, and bearing on its summit a large number of beautiful flowers, each one richly veined with gold.. .40 .15

MICHELL'S PRACTICAL GARDEN POINTERS

A publication we have compiled that contains valuable information on things floricultural, horticultural and agricultural. Ask for copy.—FREE.

See pages 8 to 10 for valuable Novelties and Specialties in Flower Seeds.

*Ricinus (Castor Oil Plant)*



Salvia, Bonfire

SALVIA (Scarlet Sage)

The *Salvia* is among our most popular and useful bedding plants. There is nothing more effective in the mid-summer or fall than these bright scarlet flowers. Seeds should be started either in the house or in hotbeds from February till April. Seed may also be sown in the open ground in May.

Large pkt. Pkt.

- America or Globe of Fire.** Of dwarf, bushy, compact growth and very uniform in height and shape. A free and continuous bloomer; produces large spikes of brilliant scarlet flowers. . . . 1/4 oz., \$1.75 \$0.75 \$0.25
- Bonfire (Clara Bedman).** Compact bushy plants, 2 feet high, producing innumerable erect spikes of the most brilliant scarlet flowers. . . . 1/4 oz., \$1.00 .40 .10
- Patens.** Bright blue flowers of large size; excellent for the border or greenhouse; height, 2 feet.75 .15
- Splendens.** The old favorite bedding variety; tall growing plants with bright scarlet flowers; height, 3 feet.1/4 oz., 75c. .50 .10
- Zurich.** One of the earliest flowering of all salvias; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost; for bedding it is very effective, either planted alone or as a front row for the taller varieties; 18 inches.1/4 oz., 75c. .50 .15
- Farinacea.** A perennial variety, but best treated as an annual, blooming from July to frost from spring sown seed; color, light blue; 2 feet.50 .10
- Ask for Cultural Leaflet No. 210 on the growing of *Salvia*.

SAPONARIA

Large pkt. Pkt.

- Ocymoides.** Splendid hardy rock plant; bright rose colored flowers. \$0.25 \$0.10
- Vaccaria.** A profuse blooming annual with beautiful pink, feathery flowers; 3 feet.25 .10

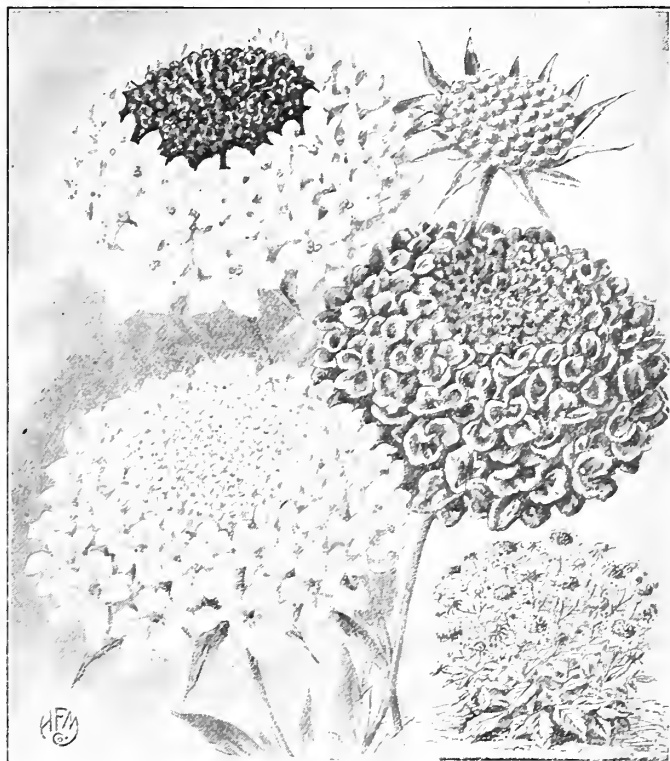
SENSITIVE PLANT (Mimosa)

- Pudica.** Curious and interesting annual plants with pinkish white flowers; the leaves close or droop when touched or shaken; 18 inches.25 .10

SHAMROCK

- Dainty little house plants, easily grown from seed.
- True Irish.** Small leaved variety.30 .10

SHASTA DAISY. See *Chrysanthemum*



Scabiosa, Grandiflora

SCABIOSA (Mourning Bride)

Magnificent hardy annuals of easy cultivation, blooming freely through the summer and autumn. They are very decorative for beds or borders in the garden and are invaluable for cutting.

GRANDIFLORA VARIETIES (Annual)

Flowers large and very showy, on stalks fully 2 feet high.

Large pkt. Pkt.

- Peach Blossom (New).** Peach blossom pink. . . . \$0.60 \$0.25
- Shasta (New).** Pure white.60 .25
- Azure Fairy.** Clear lavender blue.25 .10
- Cherry Red.**25 .10
- Crimson.** Rich shade.25 .10
- Flesh Pink.** Delicate shade.25 .10
- King of Blacks.** Deep purple.25 .10
- Rose.** Soft rose color.25 .10
- White.**25 .10
- Collection.** One packet each 6 colors.50
- Finest Mixed.**oz., 60c. .25 .10
- Dwarf Double Mixed.** Plants grow but 12 inches high; all colors.oz., 60c. .25 .10

HARDY PERENNIAL VARIETIES

Handsome perennial border plants flowering the entire season.

Large pkt. Pkt.

- Caucasica.** Soft blue; 3 feet. \$0.75 \$0.10
- Caucasica Alba.** Pure white.75 .10

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals; of easy culture in any good garden soil; bears a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; they are also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

Large pkt. Pkt.

- Garraway's Hybrids.** A grand strain; flowers large; handsome markings on a white, buff, rose, blue or purple ground. \$0.75 \$0.25
- Hybridus Grandiflorus.** Forms compact pyramidal plants covered with flowers of many shades of orchid-like appearance; 12 inches.30 .10
- Wisetonensis.** A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow center to pink with brown center; 1 1/2 feet.50 .20

SIDALCEA

Rosy Gem. A handsome perennial, with long spikes of rosy pink flowers; 2 to 3 feet. Large pkt. Pkt. \$0.60 \$0.15

SMILAX

A greenhouse climber of great value for floral decorations; foliage light green and very graceful; seed should be soaked 24 hours in warm water before sowing; 10 feet. oz., 50c. .25 .10

SNAPDRAGON. See Antirrhinum

SOLANUM

Ornamental pot plants for winter decoration; dwarf branching habit; dark green foliage; bright berries; 1 foot. Large pkt. Pkt.

Cleveland Cherry. A grand acquisition to this class of plants; grows compact and produces a great profusion of scarlet berries. \$0.60 \$0.25

STATICE (Sea Lavender)

Splendid plants, either for the border or rockery, producing all summer panicles of small flowers, which can be dried and used for winter bouquets; 2 feet. Large pkt. Pkt.

Incana Hybrida. Splendid dwarf perennial; mixed colors. \$0.25 \$0.10

Latifolia. Perennial; large deep-blue flowers. .50 .10

Bonduelli. Annual variety; golden yellow. .30 .10

Sinuata Blue. An annual variety. .30 .10

" **Lavender.** .30 .10

" **Rosea Superba.** .30 .10

" **White.** .30 .10

" **Mixed. All colors.** .25 .10

STEVIA

Serrata. Free blooming plants for summer or winter bearing a profusion of fragrant white flowers; excellent for cutting; 2 feet. .50 .10

STIPA (Ornamental Grass) See page 28.



Statice, Sinuata

Michell's "Distinctive" Stocks

The stock is one of the most popular and highly prized of our cultivated flowers, either for the garden or for pot culture. The charming colors, delightful fragrance and free blooming character, have made them favorite plants for both summer and winter cultivation. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

MICHELL'S FLOWER MARKET STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

Large pkt. Pkt.		Large pkt. Pkt.	
Blood Red.....	\$0.50 \$0.15	Rose Pink.....	\$0.50 \$0.15
Dark Blue.....	.50 .15	White.....	.50 .15
Flesh Pink.....	.50 .15	Mixed.....	.50 .15
Light Blue.....	.50 .15		

MICHELL'S EARLY FLOWERING "NICE" STOCK

An early flowering strain of branching habit; remarkably free bloomer; large, double fragrant flowers; fine for garden bedding or cutting; especially desirable for use as a pot-plant. For winter blooming, sow from July to September. Large pkt. Pkt.

Abundance. Dwarf, spreading habit; carmine-rose.	\$0.50 \$0.15
Beauty of Nice. Charming delicate pink.	.50 .15
Crimson King. Deep red.	.50 .15
La Brillante. Rich brilliant crimson.	.50 .15
Midsummer Night. Deep, dark violet.	.50 .15
Monte Carlo. Canary yellow.	.50 .15
Mont Blanc. Pure white.	.50 .15
Old Rose. An extra fine variety.	.50 .15
Queen Alexandria. Delicate lavender.	.50 .15
Choice Mixed. All colors.	.50 .15

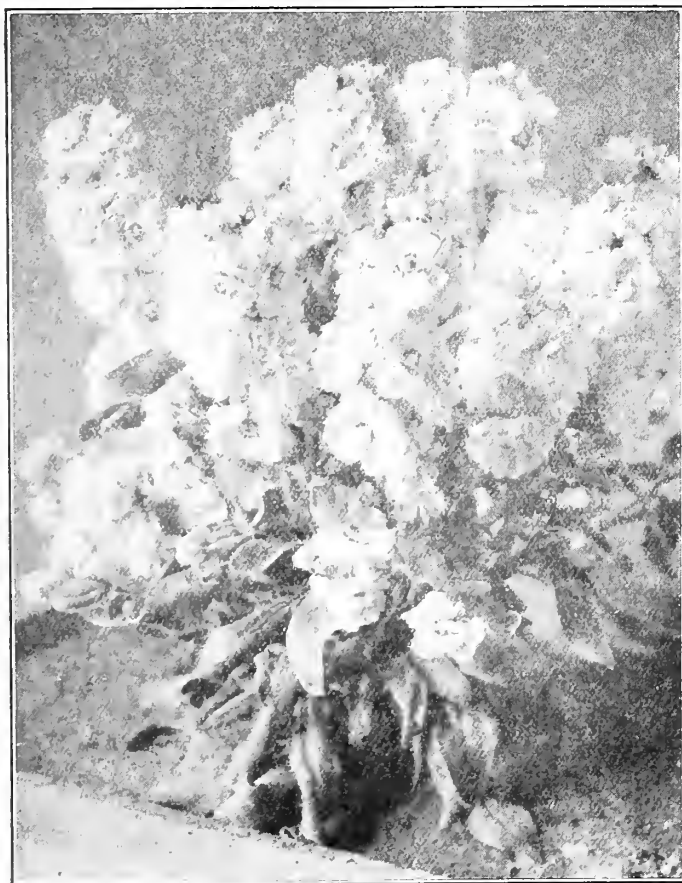
LARGE FLOWERED DWARF TEN-WEEK STOCK

This is the leading variety for bedding out, for summer blooming; also fine for pots. Large pkt. Pkt.

Large pkt. Pkt.		Large pkt. Pkt.	
Blood Red.....	\$0.40 \$0.10	Pink.....	\$0.40 \$0.10
Crimson.....	.40 .10	White.....	.40 .10
Dark Blue.....	.40 .10	Yellow.....	.40 .10
Light Blue.....	.40 .10	Mixed.....	.40 .10

VARIOUS STOCKS

Princess Alice (Cut-and-Come-Again). Branching plants with double pure white flowers; fine for cutting. \$0.50 \$0.10
Virginian Mixed. Free flowering annual. oz., 40c. .25 .10
 Ask for Cultural Leaflet No. 211 on the growing of Stocks.



Stock, Michell's Flower Market

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. They are distinguished from the Grandiflora sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem. The plants are of robust growth and bear the flowers on long stems. On account of their superiority over the Grandiflora sorts, we have discontinued listing the latter excepting in mixture. The varieties we list are selected from a long list and are considered to be the best up-to-date varieties.



Spencer or Orchid Sweet Pea

MICHELL'S SUPERB SPENCER MIXTURE

A mixture that cannot be surpassed. Blended by ourselves from only the Giant Waved Spencer varieties in proper proportions of bright colors and including a number of new hybrids of exquisite colors and shades. Per pkt., 10c.; 25c. per oz.; ¼ lb., 60c.; \$2.00 per lb.

MICHELL'S GILT EDGE MIXTURE

This mixture contains Grandiflora or large flowering varieties and represents almost every color and shade in Sweet Peas. Price: 5c. per pkt.; per oz., 15c.; 35c. per ¼ lb.; per lb., \$1.00.

BLUE AND PURPLE

	Oz.	¼ lb.	Lb.
Commander Godshall. A beautiful, rich violet blue.....	\$0.35	\$1.00	\$3.50
Mrs. Tom Jones. Bright Delphinium blue...	.35	1.00	3.50
Royal Purple. Rich purple; one of the finest varieties.....	.35	1.00	3.50
Wedgwood. A lovely self-blue, a beautiful and popular color.....	.35	1.00	3.50

DEEP PINK OR ROSE

Apple Blossom Spencer. Standard light rose; wings primrose flushed rose.....	.35	1.00	3.50
Hawmark Pink. Rose pink flushed and shaded with salmon.....	.35	1.00	3.50

LAVENDER

Asta Ohn Spencer. Rich lavender; one of the best; flowers large.....	.35	1.00	3.50
Florence Nightingale. One of the largest and best lavenders.....	.35	1.00	3.50
Hawmark Lavender. Splendid large lavender.....	.35	1.00	3.50
Orchid Improved. Fine lavender pink....	.35	1.00	3.50

LIGHT PINK

Blanche Ferry Spencer. Large flowers; pink and white.....	.35	1.00	3.50
Countess Spencer. A lovely clear pink, shading deeper at the edge.....	.35	1.00	3.50
Elegance. Blush lilac, suffused pink.....	.35	1.00	3.50
Elfrida Pearson. Large shell pink.....	.35	1.00	3.50
Hercules. Giant pure pink.....	.35	1.00	3.50
Picture. Pale pink suffused apricot.....	.35	1.00	3.50
Mary Pickford. Dainty cream pink, suffused salmon..... (Pkt., 25c.)	1.25	4.00	

MAROON

Warrior. Rich maroon flushed bronze.....	.35	1.00	3.50
--	-----	------	------

ORANGE AND SALMON

Barbara. Superb self-colored salmon.....	.35	1.00	3.50
Guinea Gold. Splendid glowing orange, shaded gold..... (Pkt., 15c.)	1.25	4.00	
Helen Lewis. Orange pink; wings orange salmon.....	.35	1.00	3.50

PRIMROSE OR LIGHT YELLOW

Daffodil. The best yellow yet introduced..... (Pkt., 15c.)	.35	1.00	3.50
Dobbie's Cream. Deep primrose.....	.35	1.00	3.50

SCARLET

Defiance (New). A beautiful orange scarlet; a fine large flower..... (Pkt., 25c.)	1.25	4.00	
Fiery Cross. Large; intense orange scarlet.....	.35	1.00	3.50
King Edward Spencer. Rich, crimson scarlet; large.....	.35	1.00	3.50

WHITE

Constance Hinton. One of the largest varieties; flowers white; black seeded.....	.35	1.00	3.50
King White. Gigantic flowers; pure white.....	.35	1.00	3.50
Snowball. Undoubtedly the finest pure white variety..... (Pkt., 25c.)	3.00	10.00	
White Spencer. Pure white; large size.....	.35	1.00	3.50
Price, any of the above varieties, except where noted, 10c. per packet.			

COLLECTION OF SPENCER OR ORCHID SWEET PEAS

One pkt. each 12 named varieties our selection, \$1.00.

MICHELL'S EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

While these are especially adapted for forcing under glass for winter and early spring blooming, they are also valuable for outdoor culture, coming into bloom five or six weeks earlier than the regular Spencer or Orchid flowered type, and if the flowers are kept cut, they will continue to bloom for a long time.

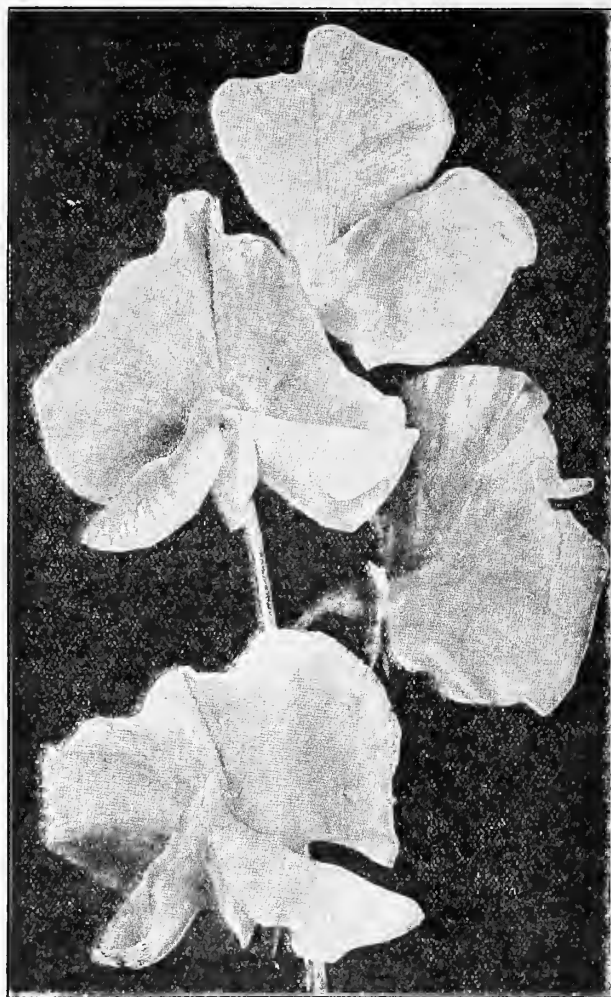
NEWER VARIETIES

The following varieties, but recently introduced, have proven to be a great improvement in the Early or Winter Flowering Spencer Sweet Peas. They are of special merit as regards size and form of flowers and length of stem.

	Pkt.	½ oz.	Oz.
Burpee's Orange. Finest clear glistening orange; flowers of largest size and produced in threes and fours on long stems.....	\$0.25	\$0.60	\$1.00
Florence Michell. The best deep blue to date; very free flowering; usually four large flowers are produced on a stem.....	.25	.90	1.50
Gilda Gray (Novelty). Standard a lovely shade of salmon-cerise, overlying a bright pink; wings Hermosa pink.....	.25	1.30	2.50
Jeanne Mamitsch (Novelty). One of the most notable introductions in Sweet Peas; flowers large, on long stems; color, a beautiful shade of rose pink.....	.25	1.30	2.50
Mrs. Kerr. Flowers of immense size; color, a pleasing shade of rich salmon, overlaid with a soft tint of orange.....	.15	.60	1.00
Pink Profusion (Novelty). A sparkling shade of rich pink; flowers large, with both standard and wings waved and crinkled.....	.25	1.30	2.50
Rose Dore. A beautiful rose pink suffused gold, with orange shading; very long stems.....	.25	.60	1.00

GENERAL LIST

Asta Ohn. Rich lavender.....	.15	.40	.75
Aviator. Dazzling crimson scarlet.....	.15	.40	.75
Blue Bird. A charming shade of blue.....	.15	.45	.80
Canary Bird. Rich deep cream or primrose..	.15	.40	.75
Chevalier. Rose color, with slight yellow tinge toward the base; extra large.....	.15	.50	.90
Columbia. Salmon color standard; white wings.....	.15	.40	.75
Fire King. Deep orange scarlet.....	.15	.40	.75
Glitters (Early Royal Scot). Standard fiery orange; wings deep orange.....	.15	.40	.75
Glorious. A charming shade of rose purple; extra large flowers.....	.15	.40	.75
Grenadier. Large flowers on long stems; color, rich scarlet.....	.15	.50	.90
Harmony. A beautiful clear lavender....	.15	.50	.90
Heatherbell. Mauve lavender.....	.15	.40	.75
Lavender King. Rich, deep lavender....	.15	.40	.75
Madonna. Best giant white; black seeded..	.15	.40	.75
Miss Louis Gude. Large flowering; color, shell pink.....	.15	.40	.75
Mrs. A. A. Skaach. Clear, light pink....	.15	.40	.75
Princess. Flowers large; color, a lovely shade of soft lavender suffused mauve; nicely waved.....	.15	.40	.75
Rose Queen. Flowers are borne freely on long stems, are of large size, and usually four flowers are produced on a stem. Color a most attractive shade of rose pink. ¼ oz., \$1.25	.50	2.25	4.00
Snowstorm (Improved). White; extra large..	.15	.40	.75
True Blue. A charming blue self; flowers large and well waved.....	.15	.40	.75
White Star. An extra fine black-seeded, pure white variety; flowers of enormous size, produced in fours and well waved.....	.15	.50	.90
Yarrowa. Flowers exquisitely waved, and of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings.....	.15	.40	.75
Zvolanek's Rose. Extra large; rose pink...	.15	.50	.90
Mixed Colors. Early or Winter Flowering Spencer.....	.10	.30	.50



Winter Flowering Spencer or Orchid Sweet Pea

For Sweet Peas especially adapted for outdoor planting see page 43.

NITROGEN-GATHERING BACTERIA

An ideal preparation for treating Sweet Pea Seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period.

Nitragin. Garden size, 20c. (by P. P., 25c.).

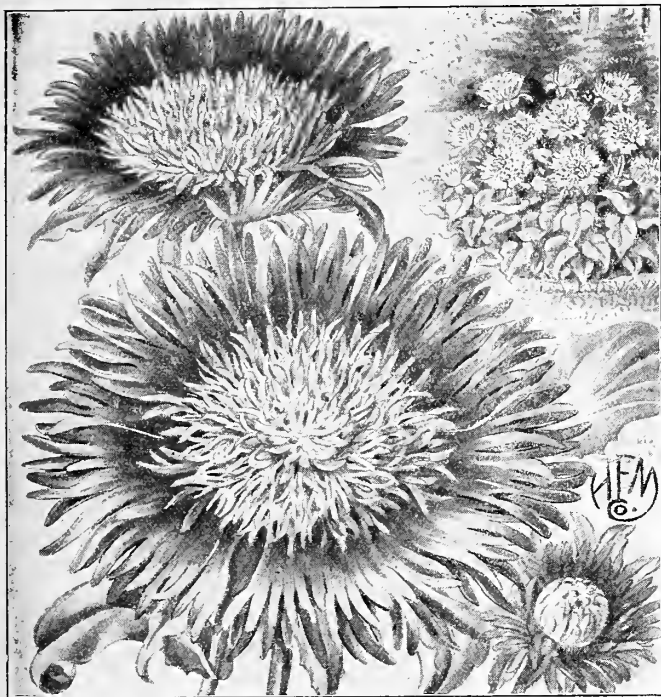
Mulford Culture. Garden size, 35c. (by P. P., 45c.).

Testimonial

Buffalo, N. Y.

In regards to seeds and bulbs I got from you last year, I must say I met with great success; was well pleased with the results.

F. W. D.



Stokesia Cyanea

STOKESIA (Cornflower or Stokes' Aster)

Plants grow about 18 to 24 inches high, bearing freely from July to October handsome Centaurea-like blossoms, each measuring from 4 to 5 inches across; is of easy culture, and one of the most desirable plants for the hardy border; excellent for cutting.

	Large pkt.	Pkt.
Cyanea. Lavender blue.....	\$0.40	\$0.10
" Alba. Pure white.....	.40	.10

STRAWFLOWER (Helichrysum)

See Everlastings, page 26.

SUNFLOWER (Helianthus)

Well known hardy annuals, the small flowering sorts being useful for cutting; the tall varieties are valuable for backgrounds.

SMALL FLOWERED SORTS

	Large pkt.	Pkt.
Cut and Come Again. Single golden yellow flowers, with petals twisted like a Cactus Dahlia. oz., 40c.	\$0.25	\$0.10
Stella. Produces an abundance of golden yellow, single flowers with black centers; invaluable for cutting; 4 feet.....	oz., 40c. .25	.10

LARGE FLOWERED SORTS

Chrysanthemum Flowered. Large double golden yellow flowers, resembling Chrysanthemums; 7 feet oz., 40c.	.25	.10
Double Globe (Globosus Fistulosus). Large double yellow flowers; height 6 feet.....	oz., 40c. .25	.10
Dwarf Double (Globe of Gold). Yellow flowers; 3 feet.....	oz., 40c. .25	.10
New Red. Extra large flowers, some of which are rich chestnut red, others tipped with yellow. oz., 60c.	.25	.10
Russian Mammoth. Immense single yellow flowers on tall heavy stalks; 6 feet.....	oz., 10c. .05	

SWEET ALYSSUM. See Alyssum

SWEET ROCKET (Hesperis)

Excellent for naturalizing among shrubbery or for planting in a permanent border.

	Large pkt.	Pkt.
Mixed. Fragrant white and purple flowers; perennial; 2 to 3 feet.....	oz., 50c. \$0.25	\$0.10

SWEET SULTAN (Centaurea Moschata)

Hardy annual; fragrant flowers, resembling "Bachelor's Buttons."

	Large pkt.	Pkt.
Mixed Colors.....	oz., 60c. \$0.25	\$0.10



Single Sweet William

SWEET WILLIAM (Dianthus Barbatius)

One of the finest hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

	Large pkt.	Pkt.
Auricula Flowered. A beautiful class of "eyed" single varieties; all colors mixed.....	oz., 75c. \$0.25	\$0.10
Single Crimson.....	oz., 75c. .25	.10
" Newport Pink. Salmon pink.....	.50	.15
" Scarlet Beauty. Deep scarlet.....	.50	.15
" Velvet Maroon.....	oz., 75c. .25	.10
" White.....	oz., 75c. .25	.10
" Mixed. All colors.....	oz., 50c. .25	.10
Double Mixed.....	oz., 90c. .25	.10
Annual Single Mixed.....	.50	.10

TAGETES (Single Marigold)

Signata Pumila. A fine bedding plant; flowers golden yellow; fern-like foliage.....	.25	.10
---	-----	-----

THALICTRUM (Meadow Rue)

Very graceful perennial plants with finely cut foliage; excellent for the hardy border.

	Large pkt.	Pkt.
Aquilegifolium. Columbine like foliage; feathery white flowers.....	\$0.60	\$0.10
Dipterocarpum. Rosy purple, with yellow anthers.....	.75	.10

THUNBERGIA (Black-Eyed Susan)

Rapid growing annual climbers, making a pretty vine for trellises, fences, rockwork, etc.; also for window boxes, hanging baskets and vases.

	Large pkt.	Pkt.
Mixed. All colors.....	oz., \$1.50 \$0.30	\$0.10

TORENIA

Showy bedding plants, flowering profusely all summer; also fine for pots and baskets; height, 12 inches.

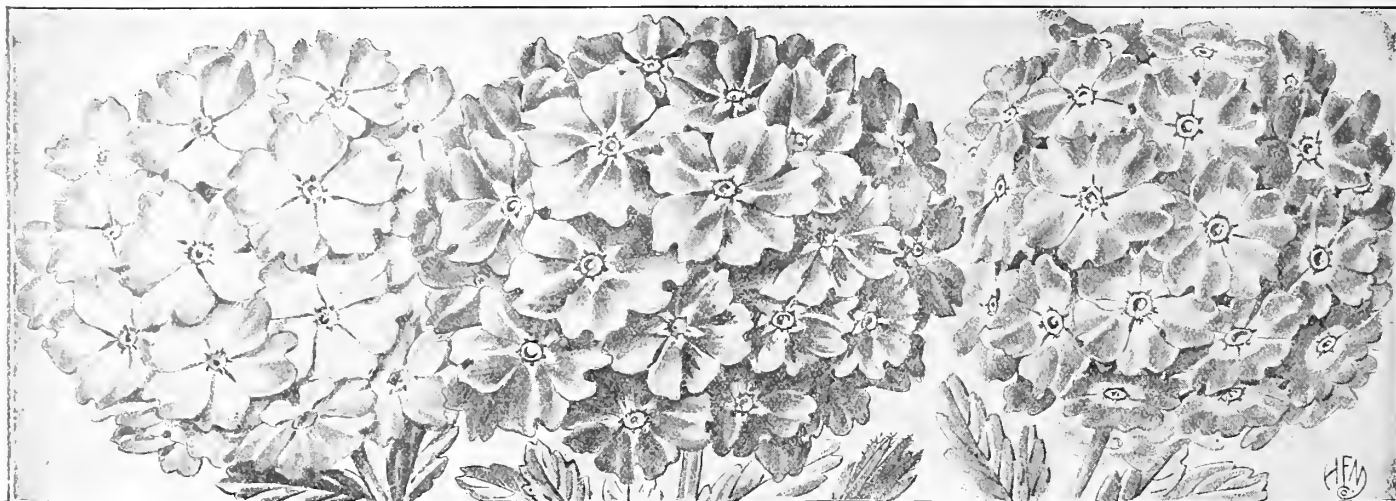
	Large pkt.	Pkt.
Fournieri Grandiflora. Sky-blue flowers, with dark blue spots and yellow throat.....	\$0.75	\$0.10

TRITOMA (Red Hot Poker)

Hybrida Mixed. A striking ornamental autumn plant; valuable for flower borders or beds.....	.50	.10
---	-----	-----

TROLLIUS (Globe Flower)

Hybridus. A large flowered variety of the buttercup, with bright yellow flowers; 2 feet.....	.75	.15
--	-----	-----



Michell's Mammoth Fancy Verbenas

VERBENA

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades.

	Oz.	Large pkt.	Pkt.
Michell's Mammoth Fancy Blue	\$2.25	\$0.50	\$0.10
" " " Pink	2.25	.50	.10
" " " Scarlet	2.25	.50	.10
" " " Striped	2.25	.50	.10
" " " White	2.25	.50	.10
" " " Yellow	2.25	.50	.10
" " " Mixed	1.50	.40	.10

Collection. One packet each of above 6 colors 50

Grandiflora Hybrida, Luminosa (New). Gigantic blooms of flame pink, toning to softer shades of pink and coral, a beautiful combination. 75 .15

Mammoth "Lucifer." A new variety of large size; color an intense deep cardinal scarlet throughout. 60 .15

Erinoides (Moss Verbena). Produces a mass of moss-like foliage, spreading over the ground; for beds, baskets or rockeries; flowers purple. 30 .10

Lemon Scented (Aloysia Citriodora). An old favorite plant with delightful lemon-scented foliage; excellent for the garden in summer and pots in winter. 75 .10

VALERIANA (Garden Heliotrope)

Hardy perennial border plants; large fragrant flowers, odor resembles that of the heliotrope; 2 to 3 feet.

	Large pkt.	Pkt.
Mixed Colors	\$0.25	\$0.10

VERONICA (Speedwell)

An elegant hardy perennial plant of easy culture and free-flowering habit; of value as a cut flower or for garden. Grows bushy and produces long spikes of flowers.

	Large pkt.	Pkt.
Longifolia. Long spikes of rich blue flowers; 2 feet.	\$0.50	\$0.10
Spicata. Long spikes of bright blue flowers; 18 in.	.50	.10

MIXED FLOWER SEEDS FOR WILD GARDEN

This mixture embraces a large number of varieties of easy-growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Pkt., 10c.; 25c. per oz.; 1/4 lb., 60c.; \$2.00 per lb.

WILD CUCUMBER VINE. See *Echinocystis*

VINCA (Madagascar Periwinkle)

Dwarf bedding plants, easily raised from seed; deep green glossy foliage and bright single blossoms of striking beauty; also suitable for pot plants; sow early.

	Large pkt.	Pkt.
Alba. White with rose eye	\$0.40	\$0.10
Alba Pura. Pure white	.40	.10
Rosea. Rose with dark eye	.40	.10
Mixed	oz., \$1.25 .30	.10



Viola Cornuta

VIOLA CORNUTA (Tufted Pansies)

These resemble pansies in shape and form with the additional quality that they are of long stems and appear uninterruptedly from early spring till snow flies.

	Large pkt.	Pkt.
Admiration. Dark blue	\$0.60	\$0.10
Mauve Queen. Lovely mauve color	.60	.10
Perfection. Light blue	.60	.10
White Perfection. Large white	.60	.10
Mixed. All colors	.50	.10

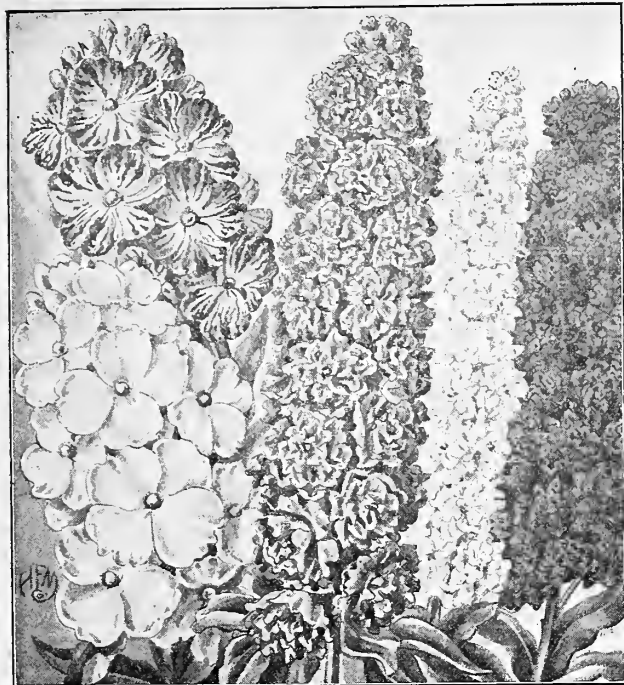
VIOLA (Scotch Bedding Pansies)

These are very free flowering and cannot be surpassed for bedding purposes; produce larger flowers than the *Viola Cornuta*.

	Large pkt.	Pkt.
Mixed. From the best named Scotch varieties	\$0.50	\$0.25

VIOLET Sweet Scented (Viola Odorata)

Single Blue Czar. Dark blue	.75	.10
-----------------------------	-----	-----



Wallflowers, Single and Double

WALLFLOWER

Half-hardy perennials of delicious fragrance. They should be protected in a cold frame in the winter and planted out in the spring; 2 feet.

	Large pkt.	Pkt.
Double Brown	\$0.60	\$0.10
“ Yellow.....	.60	.10
“ Mixed . All colors.....	.60	.10
Single Mixed.....oz., 40c.	.25	.10
Paris Extra Early. A single-flowering variety, which may be treated as an annual, flowering the first year from seed; 1½ feet.		
	Large pkt.	Pkt.
Paris Extra Early Blood Red	\$0.25	\$0.10
Paris Extra Early Yellow.....	.25	.10
Paris Extra Early Mixed . All colors.....oz., 60c.	.25	.10

XERANTHEMUM (Everlasting Flower)

See page 26.

MICHELL'S DISTINCTIVE ZINNIAS

(Youth and Old Age)

One of the most popular of our hardy annuals for beds, mixed borders and for cutting purposes; easy to grow in any good garden soil. They commence flowering early in the summer and continue until frost.

ROBUSTA OR GIANT DOUBLE ZINNIAS

Plants grow to a height of 2½ to 3 feet with immense perfectly double flowers; splendid for cutting or garden effect.

	Oz.	Large pkt.	Pkt.
Buttercup . Deep yellow.....	\$1.25	\$0.30	\$0.10
Crimson	1.25	.30	.10
Flesh Color	1.25	.30	.10
Golden Yellow	1.25	.30	.10
Purple	1.25	.30	.10
Rose King . Carmine rose.....	1.25	.30	.10
Salmon	1.25	.30	.10
Scarlet	1.25	.30	.10
Shrimp Pink	1.25	.30	.10
Sulphur Yellow	1.25	.30	.10
Violet	1.25	.30	.10
White	1.25	.30	.10
Mixed.....	.75	.25	.10
Collection , one packet each, 12 colors.....			1.00
“ one packet each, 6 colors.....			.50

GIANT DAHLIA FLOWERED ZINNIAS

Flowers are distinct from the ordinary Giant Flowered class, extra large and of a true Dahlia flowered type. Plants grow from 2½ to 3 feet high. See color plate, opposite page 10.

	Large pkt.	Pkt.
Crimson Giant	\$0.50	\$0.20
Dream . Deep lavender turning to purple.....	.50	.20
Exquisite . Light rose, centre deep rose.....	.50	.20
Golden State . Orange yellow.....	.50	.20
Old Rose.....	.50	.20
Oriole . Orange and gold.....	.50	.20
Polar Bear . Pure white.....	.50	.20
Scarlet Flame . Scarlet with blending of orange... ..	.50	.20
Mixed Colors.....oz., \$1.50	.30	.15
Collection , one packet each above 8 colors.....		1.25
“ one large packet each above 8 colors....		3.50

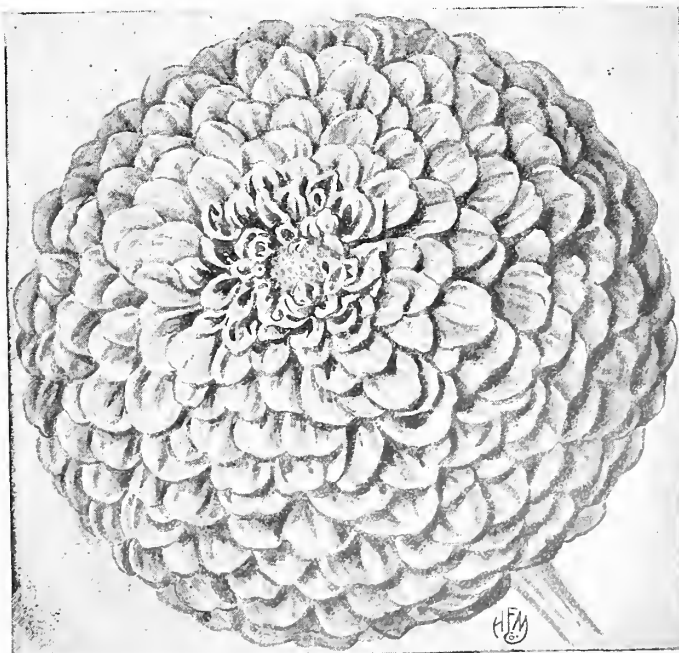
DWARF DOUBLE ZINNIAS

Compact bushes not over two feet in height, large double flowers.

	Oz.	Large pkt.	Pkt.
Crimson	\$0.75	\$0.25	\$0.10
Pink.....	.75	.25	.10
Salmon Rose.....	.75	.25	.10
Scarlet.....	.75	.25	.10
White.....	.75	.25	.10
Yellow.....	.75	.25	.10
Mixed.....	.60	.25	.10
Collection , one packet each above 6 colors....			.40

VARIOUS ZINNIAS

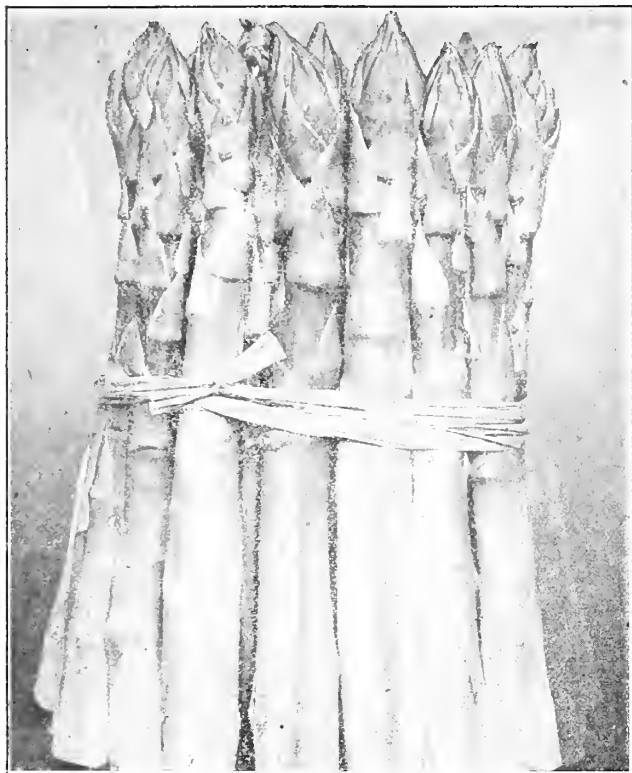
	Oz.	Large pkt.	Pkt.
Giant Picotee, Golden Pheasant . A new variety; desirable for bedding or cutting; gold ground, each petal tipped with maroon.....	\$0.60	\$0.25	
Giant Picotee, Mixed . Large double flowers, of many colors and shades.....		50	.25
Red Riding Hood . Plants compact and covered the entire season with miniature double flowers; intense scarlet; 1 foot.....	\$1.25	.25	.10
Tall Double Mixed . All colors.....	.50	.25	.10



Zinnia, Giant Robusta

MICHELL'S VEGETABLE SEED SPECIALTIES

In line with our usual custom, we have taken from our general list certain specially meritorious varieties of vegetable seeds to which we call, on this and the 3 succeeding pages, special attention. Planters will do well to include these sorts in their seed order.



Washington Pedigreed Asparagus (Rust Proof)

PEDIGREED WASHINGTON ASPARAGUS

This new high yielding pedigreed rust resistant Asparagus is the result of many years of careful scientific breeding by the Bureau of Plant Industry. The shoots are usually dark green with a rich purple tinge, with a clean straight growth and of the finest market type, with a tight pointed bud and not branching out until well beyond the market height. The shoots are very large on the average and the high branching habit of this strain makes it possible to cut unbranched shoots with good tight buds as much as two feet long. The branches of the mature shoots after they grow up are much less spreading than those of ordinary asparagus.

Seeds. Pkt., 10c.; 35c. per oz.; $\frac{1}{4}$ lb., \$1.00; \$3.25 per lb., postpaid.

Roots. Strong 2-year old, ready after March 15th. 50 for \$1.25 (by parcel post, \$1.35); \$2.00 per 100 (by parcel post, \$2.15); per 1000, \$15.00.

BEET

Michell's "Winter Keeper"

See Color Plate Opposite.

This grand beet is almost globe shaped, tapering slightly toward the root. The dark blood red flesh is always tender. The hard, stringy, woodenlike substance, so common in many varieties, is entirely absent in this sort. It is ideal as a late summer cropper, or for use during winter and spring, until new beets are on the market again. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 80c.; \$2.75 per lb., postpaid.

TOMATO, BONNY BEST

See Color Plate Opposite.

One of the most prolific of early tomatoes. The fruits are produced in clusters, are round, somewhat flattened and ripen evenly to the stem; color, bright red; flesh firm, solid and of excellent flavor. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.10 per $\frac{1}{4}$ lb.

If Beans, Sugar Corn or Peas are wanted by Parcel Post add for postage as follows: 10c. for $\frac{1}{2}$ lb.; 10c. for 1 lb.; 15c. for 2 lbs.; 20c. for 5 lbs.; 30c. for 10 lbs.; larger quantities by express or freight.

BEAN

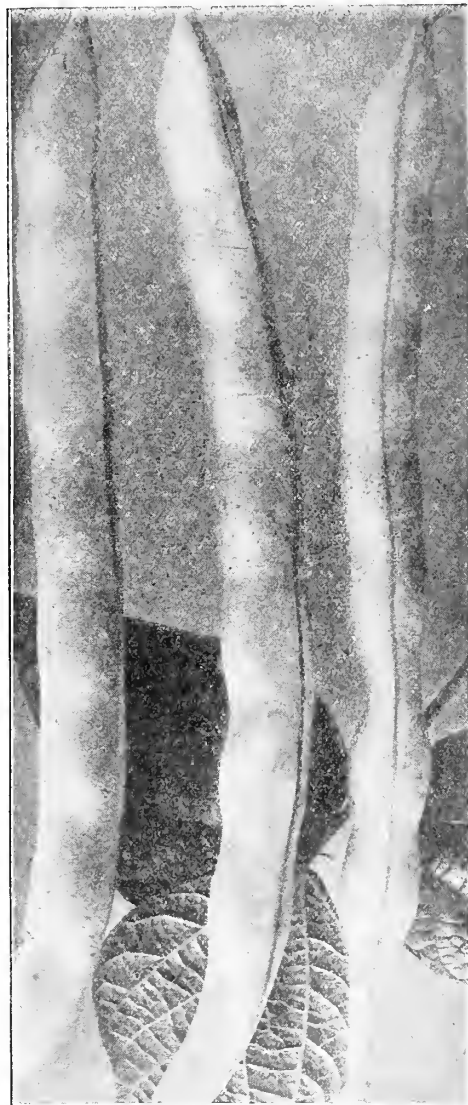
Dwarf Green Pod Bountiful

One of the best flat, green-podded bush beans; the plants are of very vigorous growth; early, a continuous bearer and very prolific; entirely stringless, very tender and of delicious flavor; pods 5 to 7 inches long. Valuable also as a dry shelled bean. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.75 per 5 lbs.; 10 lbs., \$3.30; \$7.50 per 25 lbs.

SUGAR CORN, GOLDEN GIANT

See Color Plate Opposite.

The ear is about 11 inches long, well filled out from butt to tip and very symmetrical. Deep golden yellow ears and stalk much larger than Golden Bantam while it is also in some localities earlier; the kernels are staged regularly on the cob and are fairly large; excellent quality and a heavy yielder. Pkt., 10c.; 20c. per $\frac{1}{2}$ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.45; \$2.70 per 10 lbs., 25 lbs., \$6.25.



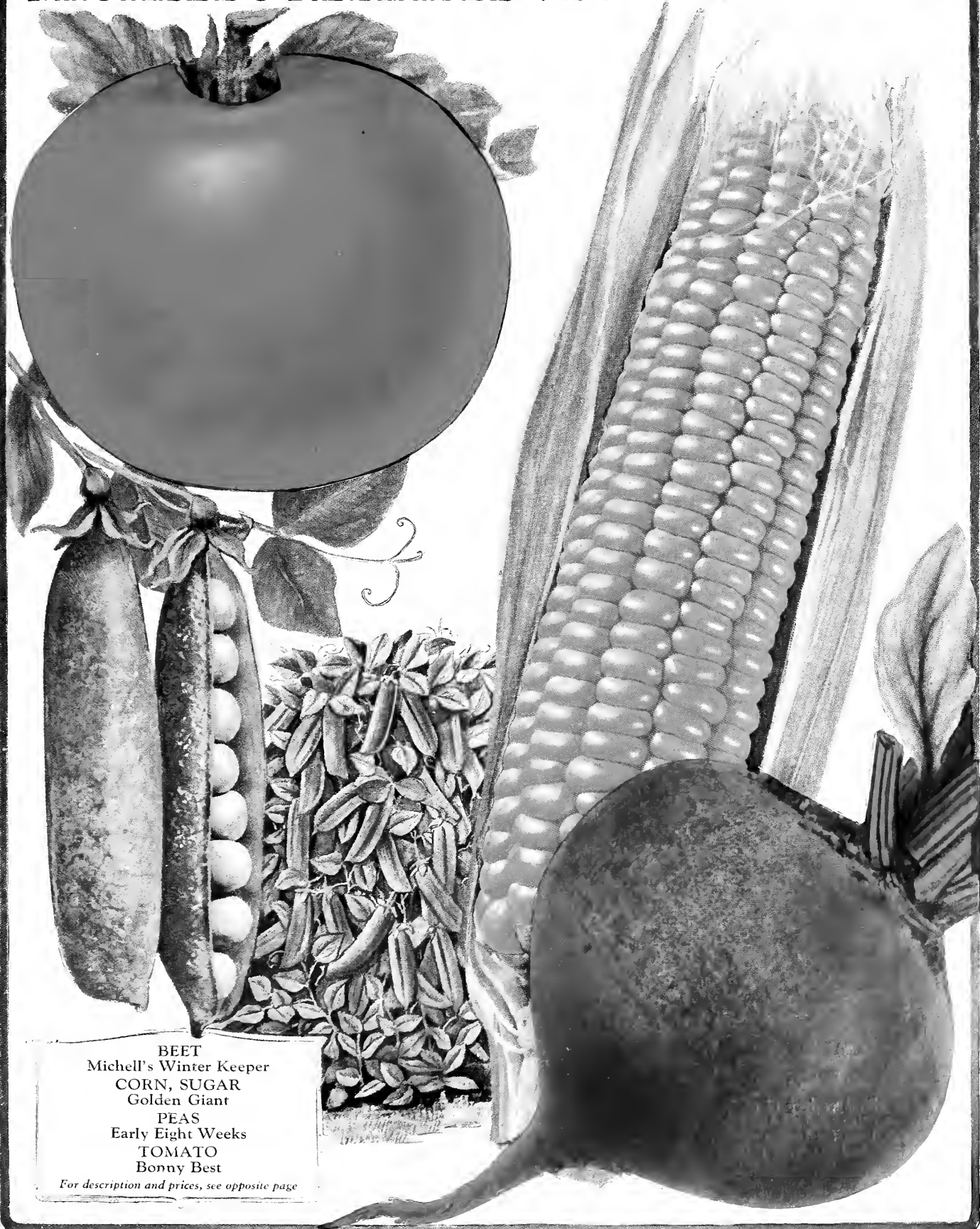
Bean, Bountiful

PEAS, EXTRA EARLY EIGHT WEEKS

See Color Plate Opposite.

This is one of the earliest dwarf Peas in cultivation, commencing to bear 6 $\frac{1}{2}$ weeks after planting. They usually grow to a height of from 12 to 15 inches; on account of their dwarf habit they can be planted closer than most other varieties, yielding a greater quantity of peas from a comparatively small space of ground than from almost any other variety. The pods are of medium size and well filled with peas of extra fine quality. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.70 for 5 lbs.; 10 lbs., \$3.10; \$7.00 per 25 lbs.

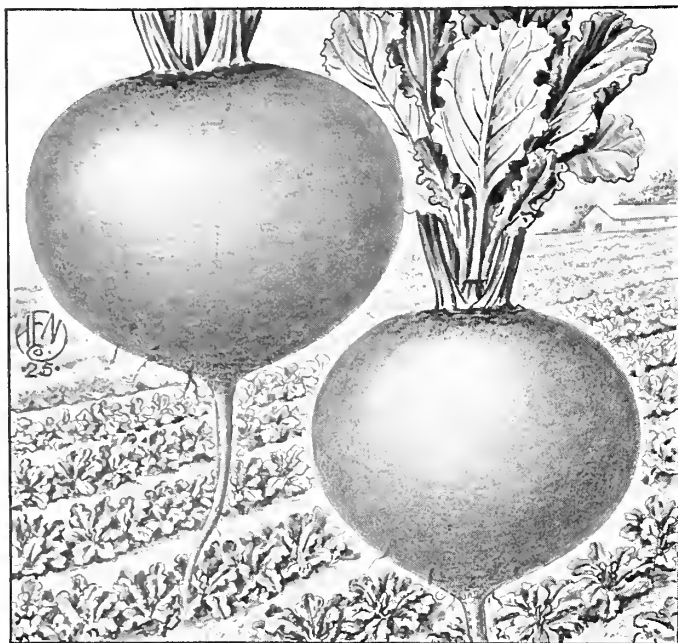
MICHELL'S RELIABLE VEGETABLE SEEDS



BEET
Michell's Winter Keeper
CORN, SUGAR
Golden Giant
PEAS
Early Eight Weeks
TOMATO
Bonny Best

For description and prices, see opposite page

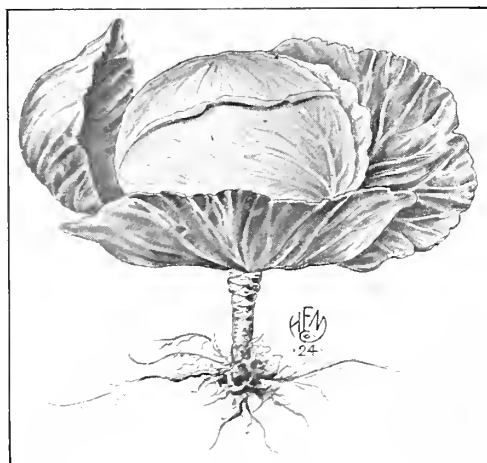
MICHELL'S VEGETABLE SEED SPECIALTIES



Beet, Early Wonder

BEET, EARLY WONDER

A wonderful early variety of recent introduction and one which is gaining wide popularity. It may be sown early and it matures rapidly, earlier than Crosby's Egyptian. Globe shaped, very uniform in size, and of a beautiful deep red color; a desirable sort for the home garden as well as for market. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb., postpaid.



Cabbage, Babyhead

CABBAGE, BABYHEAD

Extremely Early. Well adapted for Forcing.

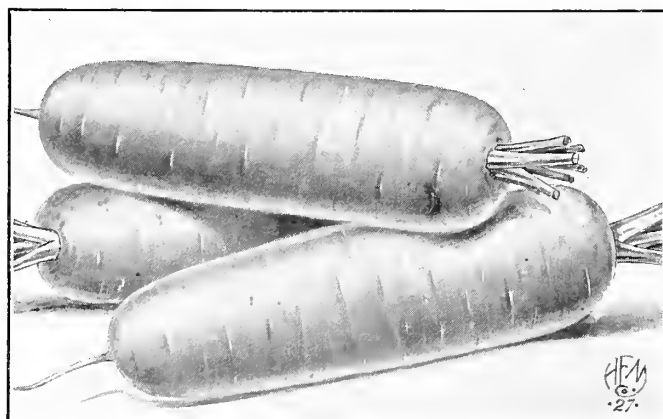
An excellent variety of cabbage, characterized especially by its extreme earliness and the small size of the heads, which is usually less than six inches across, round, firm and of splendid cooking quality; has a very short stem and on account of the few small outer leaves the plants may be set as close as 8 to 10 inches apart. It is an ideal variety for growing under glass and early open ground planting. Pkt., 15c.; 45c. per $\frac{1}{2}$ oz.; oz., 75c.; \$2.50 per $\frac{1}{4}$ lb., postpaid.



Chinese Cabbage, Wong Bok

CHINESE CABBAGE, WONG BOK

A few plants of this should be in every garden. Easily grown and can be served in numerous ways. Does not grow quite as tall as Pe-Tsai but is thicker through; the heads are elongated, self-folding and require no blanching; it resembles Romaine lettuce. In order to get proper results, seed should not be sown until after August 1st. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb., postpaid.

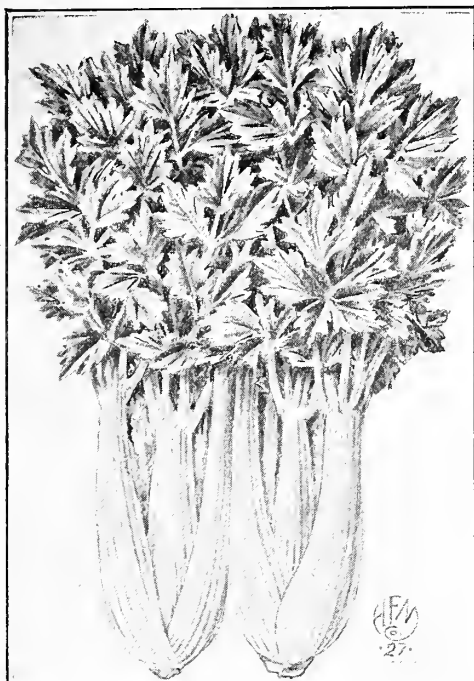


Carrot, Coreless, or Nantes Half Long

CARROT

Coreless, or Nantes Half Long

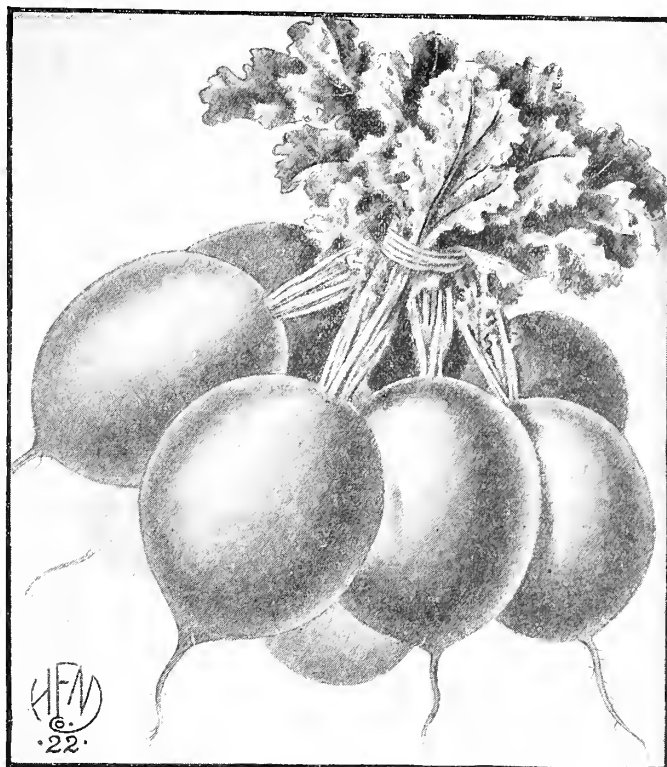
One of the most symmetrical and handsomest of the medium sized varieties; the roots grow about 6 inches in length; are blunt pointed, smooth, bright orange in color, sweet and sugary. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 60c.; \$1.75 per lb., postpaid.



Celery, Golden Plume

NEW CELERY, GOLDEN PLUME

It is claimed that this variety will mature earlier than any other variety and blanch in half the time. Of finest flavor and without strings; sweet, succulent, crisp and tender. Solid, does not grow hollow; all good eating, even the leaves. Pkt., 20c.; \$1.25 per ½ oz.; oz., \$2.25; \$7.00 per ¼ lb., postpaid.

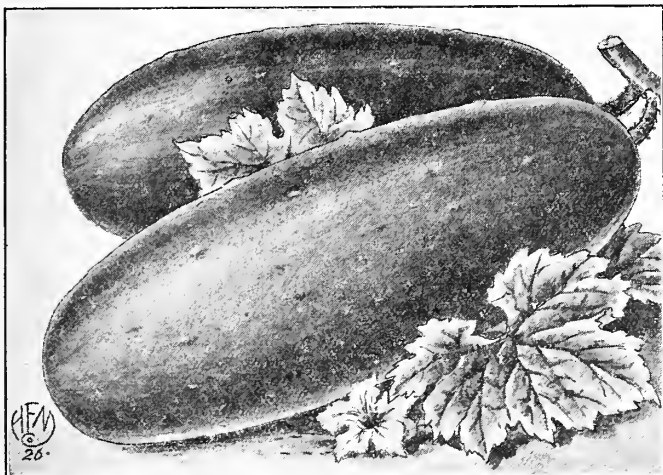


Radish, Scarlet Globe (Special Forcing)

RADISH, EARLY SCARLET GLOBE

A Popular Variety for Forcing or Outdoor Planting.

A very early globe shaped variety and the most popular variety on the market, for hotbed or greenhouse forcing; also valuable for outdoor planting. The radishes are of handsome shape, attractive bright scarlet, and are crisp, solid and of the finest quality. They grow so rapidly that under favorable circumstances they may be pulled in 25 days from sowing the seed; top small. Pkt., 10c.; 25c. per oz.; ¼ lb., 65c.; \$2.25 per lb., postpaid.



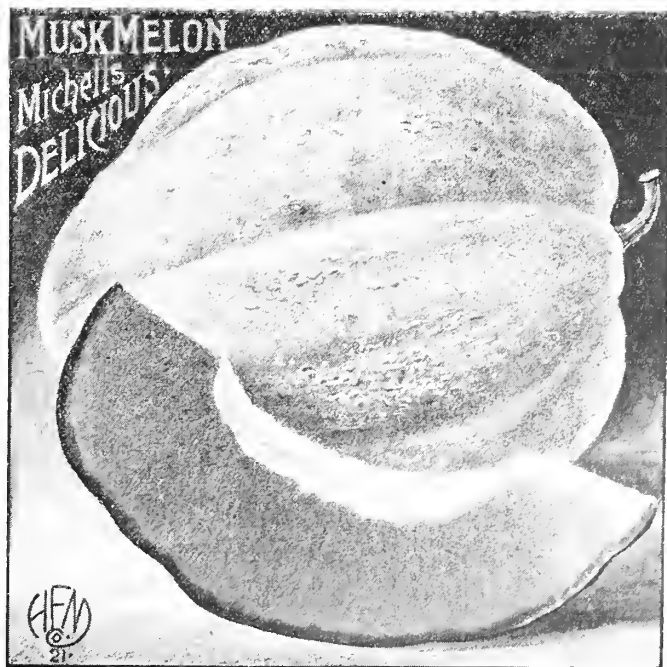
Cucumber, Early Market

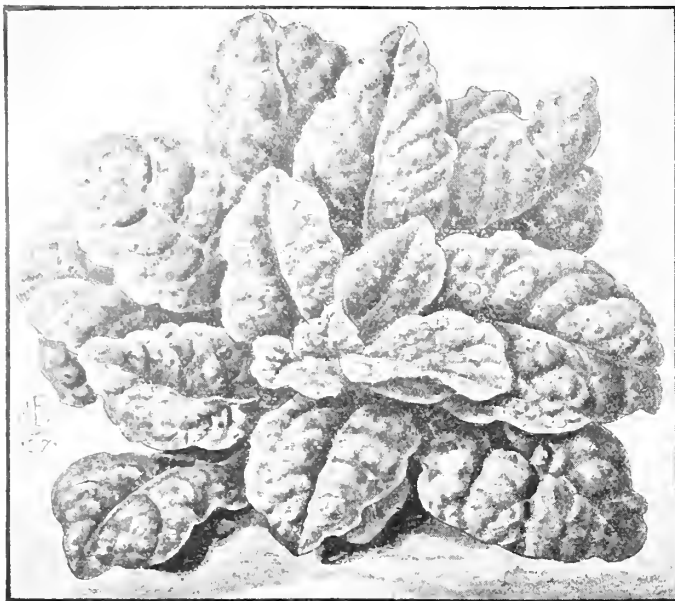
EARLY MARKET CUCUMBER

A new variety worthy of a trial in your garden. Plant this one and you will have cucumbers before your neighbors. An attractive dark green variety; uniform in shape and size; averages 8 inches in length; excellent for slicing. Pkt., 10c.; 25c. per oz.; ¼ lb., 60c., postpaid.

MUSK MELON Michell's Delicious

This variety deservedly enjoys a good name; large in size, often weighing 15 to 20 lbs.; ideal for home use; one melon of this variety is enough for a family of three or four. The flesh is very deep orange-salmon and represents most of the melon, as the seed space is very small with but few seeds. Continues bearing till cold weather and holds its splendid quality up to the very last. Pkt., 15c.; 40c. per ½ oz.; oz., 65c.; \$2.00 per ¼ lb., postpaid.





Spinach, Market Gardeners

MARKET GARDENERS SPINACH

This new variety is the highest perfection of the Spinach family, being a decided improvement on all other kinds. The leaves are broad, heavy and of a dark green, glossy color, very heavily blistered compared to Long Season; it will also stand at least a week or ten days longer than any variety we know of without shooting to seed, which is an important factor. The plants are large, strong and require a less number of plants to fill a basket than any other variety. A trial will convince you of the tenderness and superior quality of this variety. 15c. per oz.; $\frac{1}{4}$ lb., 30c.; 75c. per lb.; 5 lbs., \$3.25; \$5.50 per 10 lbs., postpaid.

SQUASH, BLUE HUBBARD

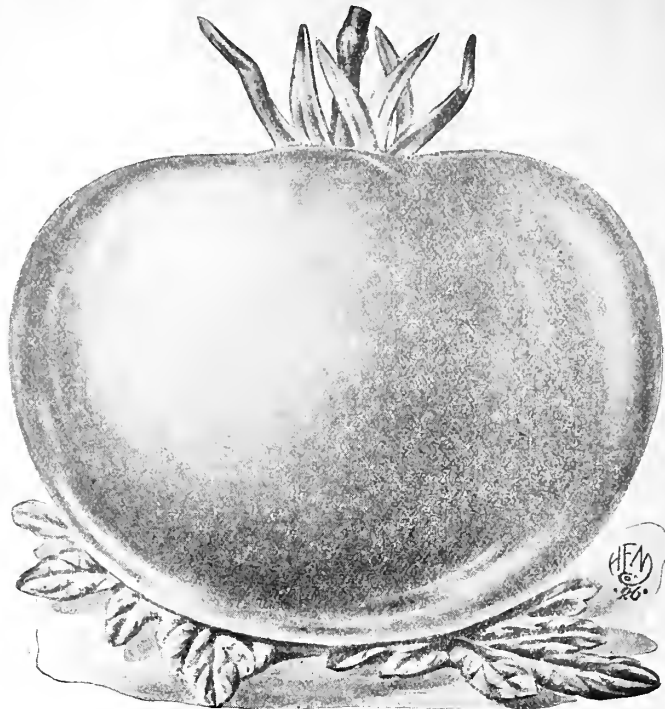
A sport from the well known Hubbard, resembling the warted Hubbard but excelling it in flavor and dryness. It is a blue gray in color, grows very large and is a heavy cropper; thick meated and of excellent quality. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.75 per lb., postpaid.

SPINACH, NEW ZEALAND

This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is a heavy yielder, growing upright; one sowing can be picked from throughout the entire summer. A very distinct variety. Do not confuse this with other varieties of spinach, as the seed should be sown about May 15th. In order to get a successful germination of the seed, it should be soaked in warm water for about 12 hours before sowing. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.25 per lb.; 5 lbs., \$5.75, postpaid.

TOMATO, MARGLOBE

A new variety that should be in every garden. We are offering it this season for the first time. Marglobe originated with the U. S. Department of Agriculture, by crossing the Marvel with the Globe, hence the name. This variety has retained the good characteristics of its parent Marvel, which was practically immune from the many tomato diseases and also its parent Globe in its productiveness, extra good quality and its handsome scarlet color. It is a variety suited to all purposes and an excellent sort to follow our Penn State Earliana. As we have but a limited stock of seed this season we can offer it in packets only. 25c. per pkt.; 3 pkts., 65c.

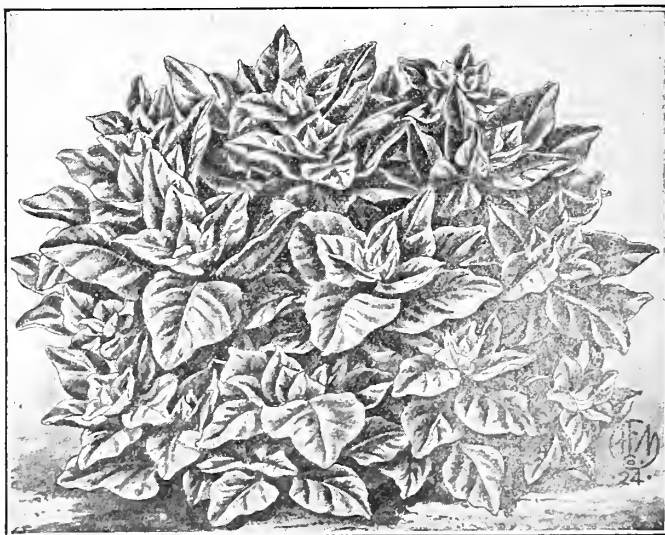


Tomato, Beefsteak

TOMATO, CRIMSON CUSHION**Large Size****Handsome Red Color****Solid****Free From Acid**

This variety is similar to the old time favorite sort Beefsteak, which name we have discontinued in favor of Crimson Cushion. A vigorous grower; heavy, dark green foliage; fruits large, crimson scarlet, solid and suitable for slicing or canning. This is a variety that will grow and produce in most any locality. Pkt., 15c.; 40c. per $\frac{1}{2}$ oz.; oz., 75c.; \$2.50 per $\frac{1}{4}$ lb., postpaid.

See page 80 for complete list of Tomatoes.

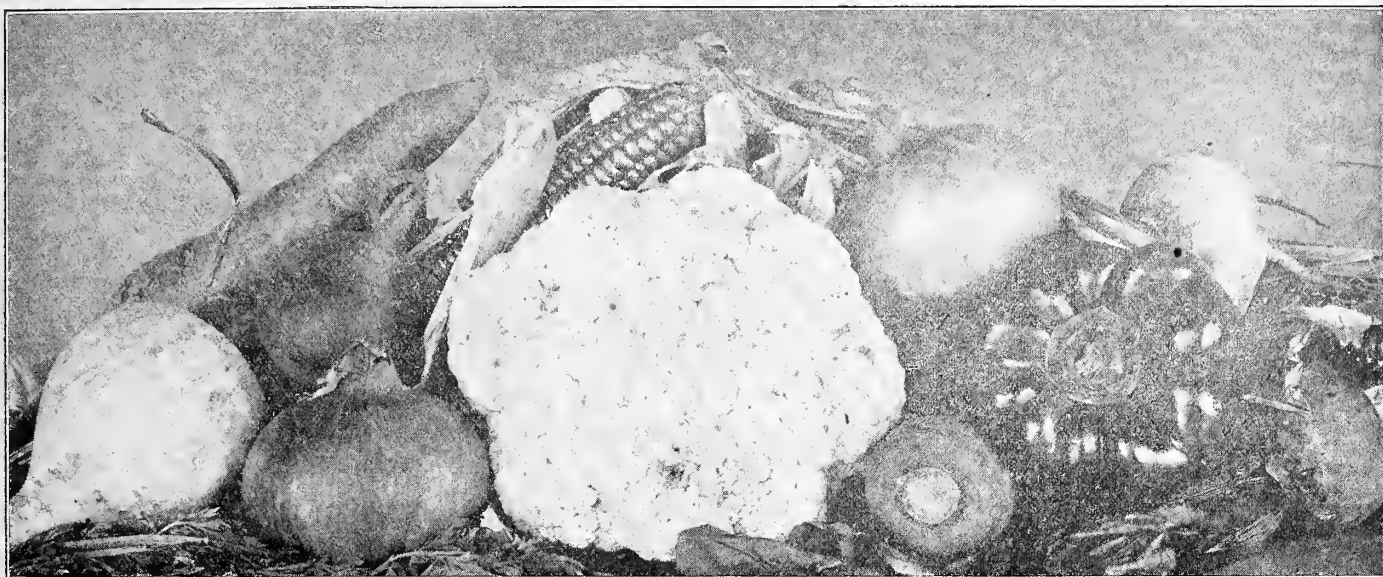


Spinach, New Zealand

MICHELL'S COLLECTIONS OF VEGETABLE SEEDS

**SAVE YOUR
MONEY**

**SAVE YOUR
TIME**



It will be observed that the varieties offered in these collections are such as can be planted as late as most gardening can be undertaken. The "Collection Idea" of Vegetable Seeds is gaining in popular favor; many persons, even the experienced gardeners do not know the best varieties to order. These collections have also a decided feature of advantage, as they save time and money; they cover the most popular kinds of vegetables used in every household and we are sure our customers will find them made up with the thought of being entirely practical. As these collections are put up previous to the busy season we cannot make any changes in the varieties or quantities.

MICHELL'S CITY GARDEN COLLECTION

14 VARIETIES

Sent Postpaid for \$1.00

Total Value, \$1.40

- | | |
|-------------------------------------|--------------------------------------|
| 1 Pkt. Beans. Stringless Green Pod. | 1 Pkt. Lettuce. Curled Silesian. |
| 1 Pkt. Beans. Dwarf Golden Wax. | 1 Pkt. Onion. Danver's Yellow Globe. |
| 1 Pkt. Beans. Fordhook Bush Lima. | 1 Pkt. Parsley. Moss Curled. |
| 1 Pkt. Beet. Eclipse. | 1 Pkt. Peas. Dandy Extra Early. |
| 1 Pkt. Carrot. Danver's Half Long. | 1 Pkt. Radish. Round Red. |
| 1 Pkt. Corn (Sugar). Golden Bantam. | 1 Pkt. Squash. White Bush. |
| 1 Pkt. Lettuce. Big Boston. | 1 Pkt. Tomato. Earliana. |
| | 1 Pkt. Turnip. Purple Top Globe. |

MICHELL'S SUBURBAN GARDEN COLLECTION

25 VARIETIES

Sent Postpaid for \$2.50

Total Value, \$3.00

- | | |
|---|--------------------------------------|
| 1/2 Lb. Beans. Stringless Green Pod. | 1 Pkt. Lettuce. Curled Silesian. |
| 1/2 Lb. Beans. Dwarf Golden Wax. | 1 Pkt. Onion. Danver's Yellow Globe. |
| 1/2 Lb. Beans. Fordhook Bush Lima. | 1 Pkt. Parsnip. Hollow Crown. |
| 1 Pkt. Beet. Eclipse. | 1 Pkt. Parsley. Moss Curled. |
| 1 Pkt. Cabbage. Early Jersey Wakefield. | 1/2 Lb. Peas. Dandy Extra Early. |
| 1 Pkt. Carrot. Danver's Half Long. | 1 Pkt. Radish. Round Red. |
| 1 Pkt. Cucumber. White Spine. | 1 Pkt. Radish. White Box. |
| 1/2 Lb. Corn (Sugar). Stabler's Early. | 1 Pkt. Salsify. Sandwich Island. |
| 1 Pkt. Endive. Green Curled. | 1 Oz. Spinach. Bloomsdale. |
| 1 Pkt. Kale. Dwarf Green Curled. | 1 Pkt. Squash. White Bush. |
| 1 Pkt. Kohl Rabi. White Vienna. | 1 Pkt. Swiss Chard. Lucullus. |
| 1 Pkt. Lettuce. Big Boston. | 1 Pkt. Tomato. Earliana. |
| | 1 Pkt. Turnip. Purple Top Globe. |

MICHELL'S COUNTRY GARDEN COLLECTION

32 VARIETIES

Sent Postpaid for \$5.00

Total Value, \$6.00

- | | |
|--|--------------------------------------|
| 1 Lb. Beans. Stringless Green Pod. | 1 Pkt. Kohl Rabi. White Vienna. |
| 1 Lb. Beans. Dwarf Golden Wax. | 1 Pkt. Leek. Carentan. |
| 1 Lb. Beans. Fordhook Bush Lima. | 1 Pkt. Lettuce. Big Boston. |
| 1 Lb. Beans. King of Garden Pole Lima. | 1 Pkt. Lettuce. Curled Silesian. |
| 1 Oz. Beet. Eclipse. | 1 Pkt. Lettuce. Cos. |
| 1 Pkt. Cabbage. Early Jersey Wakefield. | 1 Pkt. Muskmelon. Rocky Ford. |
| 1 Pkt. Cabbage. Late Flat Dutch. | 1 Pkt. Watermelon. Dixie. |
| 1 Oz. Carrot. Danver's Half Long. | 1 Pkt. Onion. Yellow Globe Danver's. |
| 1 Pkt. Celery. White Plume. | 1 Pkt. Onion. Silver Skin. |
| 1/2 Lb. Corn (Sugar). Golden Bantam. | 1 Pkt. Parsley. Moss Curled. |
| 1/2 Lb. Corn (Sugar). Stabler's Early. | 1 Lb. Peas. Dandy Extra Early. |
| 1/2 Lb. Corn (Sugar). Stowell's Evergreen. | 1 Lb. Peas. Dwarf Champion. |
| 1 Pkt. Cucumber. White Spine. | 1 Oz. Radish. Round Red. |
| 1 Pkt. Endive. Green Curled. | 1 Oz. Radish. Round White. |
| 1 Pkt. Kale. Green Curled. | 1 Oz. Spinach. Bloomsdale. |
| | 1 Pkt. Squash. White Bush. |
| | 1 Oz. Swiss Chard. Lucullus. |

Micell's Practical Garden Pointers. A publication we have compiled that contains valuable information on the culture of Vegetables, Flowers, etc., also Garden Plans, will be sent free with any of the above collections.

MICHELL'S FAVORITE COLLECTION

DWARF OR BUSH BEANS

Three of the best varieties that grow

Extra Early Red Valentine

Bountiful

Improved Stringless Green Pod

This collection is offered for the express purpose of giving those who garden a fresh supply of this luscious vegetable throughout the season. Plant at intervals of 2 weeks, in rotation as given. Specially priced as follows: 1 pkt. each, 25c.; 1 lb. each, \$1.10, postpaid.

MICHELL'S POPULAR COLLECTION

CHOICEST OF SUGAR CORNS

Early Mayflower—Early

Sugar Kernel—Medium early

Stowell's Evergreen—Late

For this collection we have selected three varieties most suitable for a supply of delicious corn throughout the season; plant every two weeks, in rotation as given. Specially priced as follows: 1 pkt. each, 25c.; 1 lb. each, \$1.00, postpaid.

MICHELL'S PRIZE COLLECTION

GARDEN PEAS

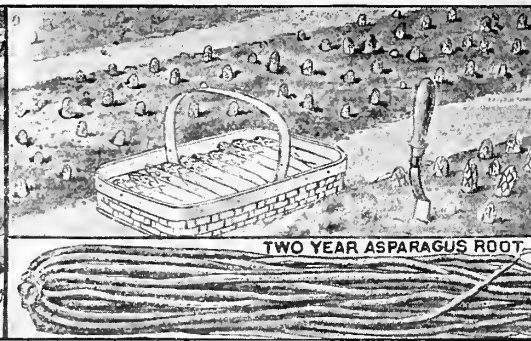
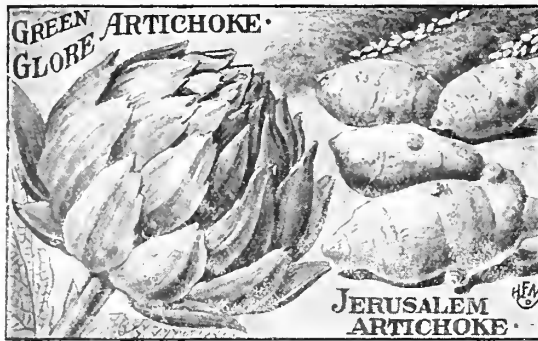
The best collection which will give a continuous supply.

Dandy Extra Early

Little Marvel

Dwarf Champion

What is more enjoyable than a dish of luscious peas, picked fresh from your own garden; there's a difference in the taste. The above collection should be sown at one time, as soon as all danger of freezing is over. A second sowing may be made not later than May 1st. Specially priced as follows: 1 pkt. each, 25c.; 1 lb. each, \$1.00, postpaid.



ARTICHOKE

Artichaut (Fr.); Artischoke (Ger.); Articiocca (Ital.). 1 oz. will produce about 500 plants.

Sow seed in January in the greenhouse, or in hotbeds in March. Transplant when large enough, in rows 3 feet apart, 2 feet apart in the row. Protect the plants in winter by taking them in a cellar or putting in a cold frame; may be left outdoors if protected by straw or leaves.

Green Globe. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 45c.; \$1.25 per $\frac{1}{4}$ lb.

ARTICHOKE PLANTS

(Ready in April)

Green Globe. We grow a large stock of these, for those who do not care to bother with them from seed; thus an early crop may be assured. Pot grown. \$1.50 per doz.; 25 for \$3.00; \$10.00 per 100 (by express only).

ARTICHOKE ROOTS

Jerusalem (Ready in April)

Sometimes called the American Artichoke. Used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a hill. Leave the tubers in the ground and dig them as wanted; they are hardy. 20c. per lb. (by parcel post, 30c.); 75c. per 5 lbs. (by parcel post, 95c.); 10 lbs., \$1.20 (by parcel post, \$1.50); \$2.75 per 25 lbs.; 50 lbs., \$4.50.

ASPARAGUS

Asperge (Fr.); Spargel (Ger.); Sparagio (Ital.). Sow 5 lbs. per acre for roots, or 1 oz. to 50 feet.

A well-cared-for bed improves with age and lasts for many years. It may be established from seed, but much time is saved by planting roots. Seeds should be sown thinly in early spring in rows 1 foot apart. Thin out the weakest plants so the remainder will be 4 inches apart. When 1 year old transplant in the permanent bed in rows 3 ft. apart, setting the roots 1 ft. to 1 $\frac{1}{2}$ ft. apart, from where it can be cut three years later. "Michell's Practical Garden Pointers" gives full information and is mailed free.

Michell's Giant Argenteuil (French Grown Seed). A remarkable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. Color, white, with a greenish purple tip. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Barr's Mammoth. Produces heavy, stout spears, of delicious flavor. Remains green when cooked. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.00 per lb.

Palmetto or Eclipse. One of the earliest; very prolific and finely flavored. Color, green. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.00 per lb.

Pedigreed Washington. A rust-resisting variety. For illustration and full description, see page 48. Pkt., 10c.; 35c. per oz.; $\frac{1}{4}$ lb., \$1.00; \$3.25 per lb.

ANISE

Seed is used for flavoring. Pkt., 10c.; 20c. per oz.

ASPARAGUS ROOTS

(Ready after March 1st)

4000 to 6000 roots are required for an acre.

	2-Year-Old Roots		
	Per 50	100	1000
Barr's Mammoth.....	\$0.75	\$1.25	\$10.00
Giant Argenteuil.....	.75	1.25	10.00
Palmetto or Eclipse.....	.75	1.25	10.00
Washington (New).....	1.25	2.00	15.00

(Rust-proof)

If above are wanted by parcel post, add 10c. per 50; 15c. per 100 for postage.

ACCESSORIES TO ASPARAGUS GROWING

Asparagus Tape. Fast cherry red color, waterproof; in 1000-yard spools. Per spool, \$5.25 (by parcel post, \$5.40).

Raffia. Ideal for tying asparagus in bunches. Natural, 25c. per lb. (by parcel post, 35c.); 5 lbs. for \$1.20 (by parcel post, \$1.40).

Green, 65c. per lb. (by parcel post, 75c.); 5 lbs., \$3.00 (by parcel post, \$3.20).

Raffia Tape. A linen and paper composition; Nile green color. 90c. per bolt (by parcel post, \$1.00); 6 bolts, \$5.00 (by parcel post, \$5.25).

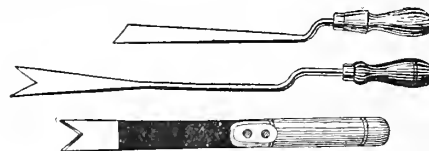
Jute Twine. For tying asparagus, 2 and 3-ply; soft and pliable. Per ball, 18c. (by parcel post, 25c.); 30c. per lb. (by parcel post, 40c.).

Asparagus Salt. Applied in the spring for destroying weeds, 800 lbs. per acre. \$2.00 per 100 lbs.; 200 lbs., \$3.25; \$13.00 per $\frac{1}{2}$ ton; ton, \$25.00.

Asparagus Fertilizer. Compounded after a formula recommended by a leading asparagus grower; apply 800 lbs. per acre. In 200-lb. bags, \$5.00; \$22.50 per $\frac{1}{2}$ ton; ton, \$40.00.

ASPARAGUS BUNCHER

It pays to use a buncher. Asparagus is quickly tied and looks uniform. Price, with Knife Guard, \$4.75 (by parcel post, \$5.00).



ASPARAGUS KNIVES

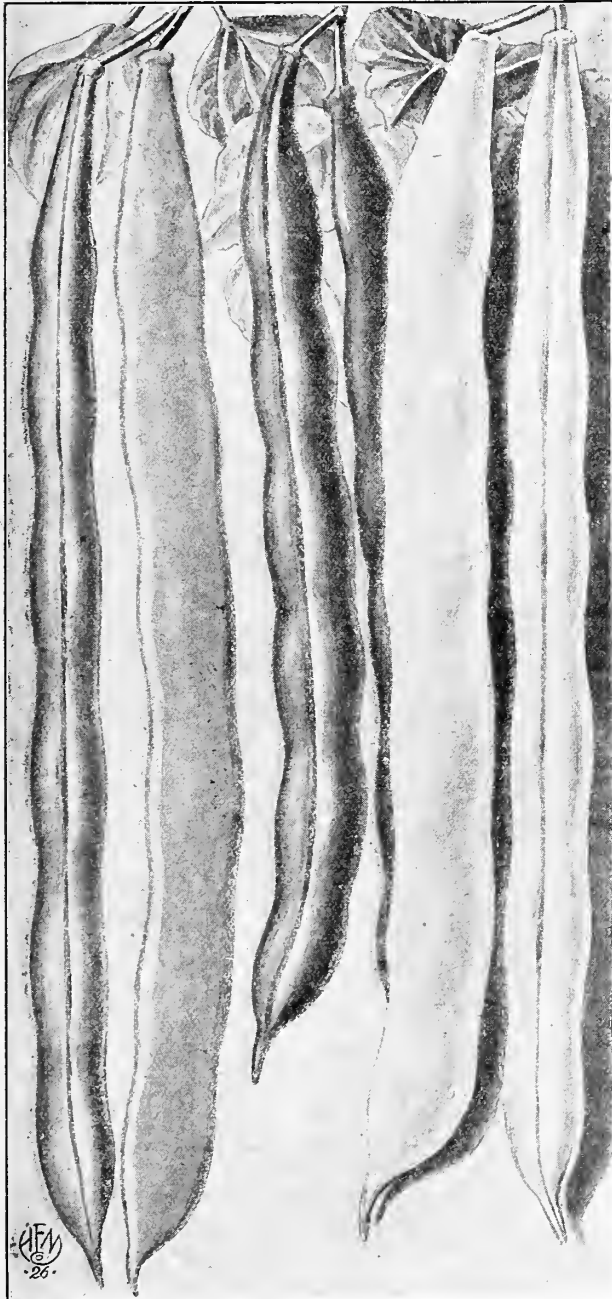
	By P.P.	
	Each	Each
No. 1 (top illustration).....	\$0.50	\$0.60
No. 3L (center illustration).....	.55	.65
No. 2311 (bottom illustration).....	.45	.55

A book, entitled **Asparagus Culture**, by Hexamer, will solve any of the problems that may arise in growing the crop. 174 pages. Price, \$1.00. postpaid.



Haricots Nains (Fr.); Buschbohnen (Ger.); Fagioli Nani (Ital.). Plant 90 lbs. per acre. 2 lbs. will plant a 100 foot row. **Cultural Directions.**—A rich, sandy loam suits beans to perfection. Toward the end of April or, still better, in May, sowings may be made and may be repeated every two weeks until August. Have the rows about two feet apart. Sow quite thinly in the row and about two inches deep; thin out to stand four to six inches apart in the rows.

If Beans are wanted by Parcel Post, add for postage as follows: 10c. for $\frac{1}{2}$ lb.; 10c. for 1 lb.; 15c. for 2 lbs.; 20c. for 5 lbs.; 30c. for 10 lbs.; larger quantities by express or freight.



Bountiful.

Stringless Green Pod.

Sure Crop.

***Golden Wax Rust Proof (Michell's Improved Strain).** A very desirable variety for the home garden; a vigorous grower and rust-resisting, making it one of the best of the wax beans; pods flat, medium length, good quality. Pkt., 10c.; 30c. per $\frac{1}{2}$ lb.; lb., 45c.; 85c. per 2 lbs.; 5 lbs., \$1.50; \$2.70 per 10 lbs.; 25 lbs., \$6.00.

Round Podded Kidney Wax. A vigorous grower; fleshy pods, stringless and rust-proof. Pkt., 10c.; 50c. per lb.; 2 lbs., 95c.; \$1.65 per 5 lbs.; 10 lbs., \$3.00; \$6.75 per 25 lbs.

GREEN-PODDED VARIETIES

Black Valentine. Pods very long and slender, semi-round and well-flavored; slight string when old. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.25 per 25 lbs.

Bountiful. A flat podded sort; stringless, tender and a prolific bearer. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.75 per 5 lbs.; 10 lbs., \$3.30; \$7.50 per 25 lbs..

Early Mohawk. This variety can be planted before any other sort, being quite hardy; large cropper; flat pod. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.65 per 5 lbs.; 10 lbs., \$2.90; \$6.50 per 25 lbs.

Extra Early Refugee. An early, fleshy, round-podded sort, light green, nearly straight, solid, tender and of good quality. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.30 per 5 lbs.; 10 lbs., \$2.40; \$5.50 per 25 lbs.

Full Measure. Very prolific and a stringless variety of excellent quality, pods about 6 inches long, round and very smooth. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.40 per 5 lbs.; 10 lbs., \$2.60; \$6.00 per 25 lbs.

Mammoth Stringless. Of healthy, vigorous habit; a great producer, of large round pods, from $5\frac{1}{2}$ to $6\frac{1}{2}$ inches long; a good one for the market or home garden. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.00 per 25 lbs.

Masterpiece. This is a large, flat-podded variety, especially adapted for growing under glass, though it may be grown successfully outdoors. Pkt., 10c.; 50c. per lb.; 2 lbs., 90c.; \$2.00 per 5 lbs.; 10 lbs., \$3.75; \$8.75 per 25 lbs.

Red Valentine (Michell's Improved). An extra early variety, maturing a crop in 45 to 50 days, a large portion of which can be picked at one time; pods 5 to 6 inches long, round, thick, tender and of good quality. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.40 per 5 lbs.; 10 lbs., \$2.50; \$5.50 per 25 lbs.

***Stringless Green Pod (Michell's Improved Strain).** A round podded sort, early, prolific and a continuous bearer, pods measure 5 to 6 inches, slightly curved, very meaty; even when the pods become quite old they retain their stringless qualities. Pkt., 10c.; 30c. per $\frac{1}{2}$ lb.; lb., 45c.; 85c. per 2 lbs.; 5 lbs., \$1.50; \$2.70 per 10 lbs.; 25 lbs., \$6.00.

Triumph of the Frames. Splendid for forcing under glass, producing a long, narrow, tender pod. Pkt., 10c.; 50c. per lb.; 2 lbs., 90c.; \$2.00 per 5 lbs.; 10 lbs., \$3.70; \$8.75 per 25 lbs.

YELLOW-PODDED VARIETIES

Black Wax (Pencil Pod Strain). A round-podded, hardy sort, entirely stringless, very early. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.00 per 25 lbs.

Currie's Rust Proof Wax. An improved type; extra early; large yield; long, thick, flat pods. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.45 per 5 lbs.; 10 lbs., \$2.60; \$5.75 per 25 lbs.

Stringless Refugee Wax. Round-podded, entirely stringless and of exceptional flavor. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.45 per 5 lbs.; 10 lbs., \$2.60; \$5.75 per 25 lbs.

Sure Crop Stringless Wax. This is worthy of a trial in your garden; long, thick, flat-pods of excellent quality. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.00 per 25 lbs.

Wardwell's Kidney Wax. A favorite market bean; long, thick, flat pods in great abundance; one of the best medium early sorts; excellent quality; free from rust. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.60 per 5 lbs.; 10 lbs., \$2.90; \$6.50 per 25 lbs.

Please Note.—Only varieties of Beans marked * can be supplied in $\frac{1}{2}$ lb. packages.

FAVORITE COLLECTION. Three of the best Green Pod Beans.

Extra Early Red Valentine. Bountiful.
Improved Stringless Green Pod.

This collection is offered for the express purpose of giving those who garden a fresh supply of this luscious vegetable throughout the season. Plant at intervals of two weeks in rotation as given. Specially priced.

1 Pkt. each, 25c. } Postpaid.
1 Lb. each, \$1.10 }

MICHELL'S POLE BEANS (Not Limas)

Haricots a Rames (Fr.); Stangenbohnen (Ger.); Fagioli (Ital.)

When all danger of frost or cold nights is over, plant as you would limas, in hills 4 feet apart each way, about 4 or 5 beans to the hill, eyes downward. When up and established, thin out to 3 plants in a hill. Plant about 20 lbs. to the acre.

Pole Beans are not accorded in the north the same attention they deserve and receive in the southern part of the United States, where they are found in practically every garden. They are frequently more tender, and yield larger crops than dwarf sorts. One planting lasts usually for the season.

If Beans are wanted by Parcel Post, add for postage as follows: 10c. for $\frac{1}{2}$ lb.; 10c. for 1 lb.; 15c. for 2 lbs.; 20c. for 5 lbs.; 30c. for 10 lbs.; larger quantities by express or freight.

***Early Golden Cluster Wax.** A beautiful deep yellow pod, flat and frequently 8 inches long; makes a delicious dish as a butter bean or for pickling; quite stringless and matures in about 85 days. It is a heavy yielder, the pods being borne in large clusters. The best of the pole beans and a splendid variety for the home garden. Pkt., 10c.; 30c. per $\frac{1}{2}$ lb.; lb., 50c.; 95c. per 2 lbs.; 5 lbs., \$1.70; \$3.10 per 10 lbs.; 25 lbs., \$7.00.

***Kentucky Wonder or Old Homestead.** Green Pod. In the South this variety is grown more extensively probably than any other; a tremendous yielder of long round pods, very tender and practically stringless; one of the best of the green pole beans. It is quite early, being ready for picking about 85 days from planting. Pkt., 10c.; 25c. per $\frac{1}{2}$ lb.; lb., 40c.; 75c. per 2 lbs.; 5 lbs., \$1.55; \$2.80 per 10 lbs.; per 25 lbs., \$6.25.

Kentucky Wonder Wax. A very prolific sort, producing long, thick and almost straight pods, which are of a light yellow color and of excellent quality. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.00 per 25 lbs.

Lazy Wife. The best late, green podded pole bean; pods dark green, broad, thick, very fleshy and stringless; very prolific. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$3.00 per 5 lbs.; 10 lbs., \$2.70; \$6.00 per 25 lbs.

Scarlet Runner (Green Pod.) While used principally for its flowering qualities, this makes a splendid winter shell bean. The bright red flowers are an attraction when the vine is used for covering arbors, trellis, fences, posts, etc. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.45 per 5 lbs.; 10 lbs., \$2.60; \$5.75 per 25 lbs.

DWARF VARIETIES OF SHELL BEANS

For Winter Use

If there is vacant space in the garden it always pays to plant some of these varieties. For soups, baked beans, etc., they are always useful. They can be used in the green state like other sorts when picked very young, but for the first named purpose they are the best.

Boston Navy or Pea. For soup and baking purposes. 10c. per pkt.; 35c. per lb.; 2 lbs., 65c.; \$1.25 per 5 lbs.; 10 lbs., \$2.20; \$5.00 per 25 lbs.

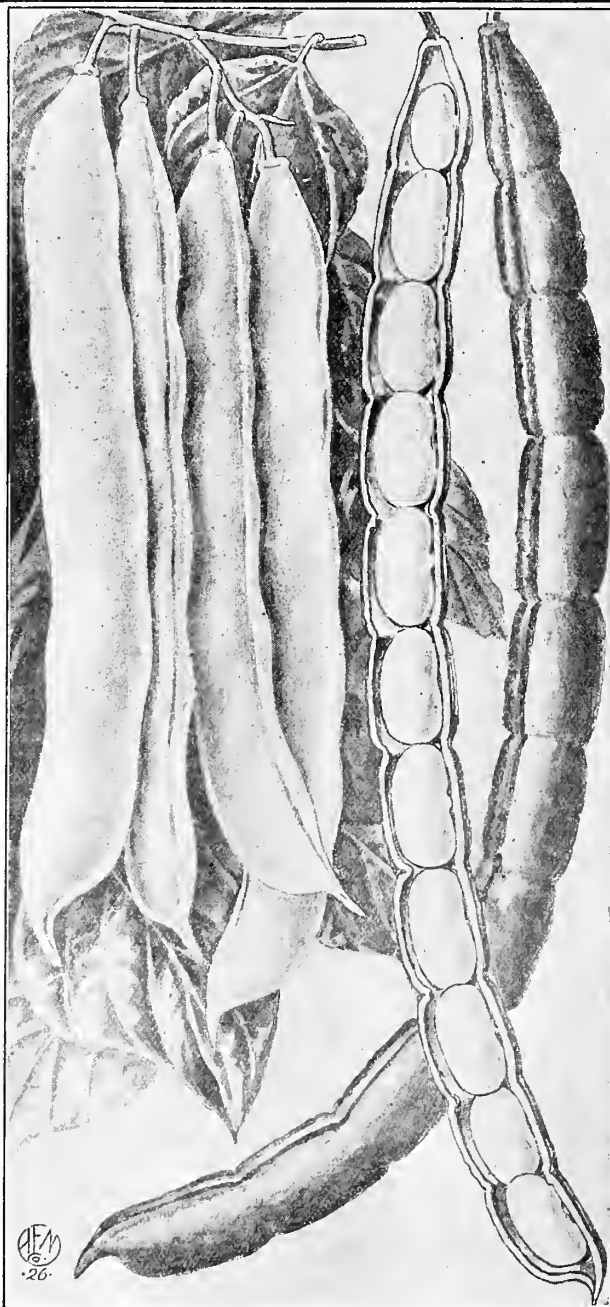
Broad Windsor. An English bean used in the dry state shelled. Plant in rows about 3 feet apart, about 8 inches apart in the row. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.50 per 5 lbs.; 10 lbs., \$2.80.

Red Kidney. A well-known variety; pods long, kidney-shaped, light red in color and of good quality. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.25 per 5 lbs.; 10 lbs., \$2.20; \$5.00 per 25 lbs.

White Marrowfat. Somewhat larger than the Boston Navy or Pea and extensively planted for shelling for winter or for using in the green state. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.30 per 5 lbs.; 10 lbs., \$2.30; \$5.00 per 25 lbs.

Dwarf Horticultural. One of the best early shell beans; the thick, flat, stringless pods are colored red and green; the bean is large, round and speckled. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.40 per 5 lbs.; 10 lbs., \$2.60; \$6.00 per 25 lbs.

PLEASE NOTE.—Only varieties of Beans marked * can be supplied in $\frac{1}{2}$ lb. packages.



Early Golden Cluster.

Kentucky Wonder

Cedar Bean Poles (Pointed). Extra selected quality, about 10 feet long. 12 for \$2.25; 25 for \$4.00; 50 for \$7.75; \$15.00 per 100.

NITROGEN BACTERIA FOR BEANS

If you want your bean patch to yield earlier and better, inoculate the seed before planting with nitrogen bacteria. We offer the following Brands: **Mulford Germ.** and **Nitragin.** See page 84.

When ordering, be sure and specify wanted for garden beans, as each leguminous crop requires a separate culture.

MICHELL'S LIMA BEANS

55

Haricots a rames (Fr.); Stangenbohnen (Ger.); Fagioli di Lima (Ital.)

If Beans are wanted by Parcel Post, add for postage as follows: 10c. for ½ lb.; 10c. for 1 lb.; 15c. for 2 lbs.; 20c. for 5 lbs.; 30c. for 10 lbs.; larger quantities by express or freight.

POLE VARIETIES

2 pounds will plant 100 hills; 25 to 30 pounds per acre.

Plant when all danger of frost or cold nights is over with the eye of the bean down. Don't be afraid to put a liberal number in a hill, as this is cheaper than re-planting. When up and established, thin out to 3 or 4 plants in a hill. The poles should be set as soon as the garden is made in rows about 3 feet apart, with the poles about 3 feet apart in the row. It is a good plan to put a small shovelful of well-rotted cow manure in each hill when the poles are set, so the beans when started will make rapid growth and mature early.

Carpinteria. A variety that retains its green color in all stages of growth, even after being dried; with this it combines wonderful prolificness, flavor, and size; a good early variety; 4 to 5 beans in a pod. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.65 per 5 lbs.; 10 lbs., \$3.00; \$6.75 per 25 lbs.

Dreer's Improved. Also known as Challenger or Potato Lima. Although somewhat smaller than other limas, it is very early, prolific and of delicious flavor. Pkt., 10c.; 50c. per lb.; 95c. per 2 lbs.; \$1.85 per 5 lbs.; 10 lbs., \$3.40; \$7.75 per 25 lbs.

Giant Podded. Produces a heavy, stocky vine, well filled with gigantic pods, in clusters, producing a nice size white bean. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.70 per 5 lbs.; 10 lbs., \$3.10; \$7.00 per 25 lbs.

***King of the Garden.** An old time favorite, but still popular with the amateur as well as the market gardener; of sturdy growth, exceedingly productive and retains that good flavor of the limas. Pkt., 10c.; 25c. per ½ lb.; lb., 45c.; 85c. per 2 lbs.; 5 lbs., \$1.65; \$3.00 per 10 lbs.; 25 lbs., \$6.75.

MicHELL's Evergreen. Any one wishing an exceptionally early pole lima should plant this one. It is remarkable for its productiveness and good flavor; continues bearing until frost. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.65 per 5 lbs.; 10 lbs., \$3.00; \$6.75 per 25 lbs.

BUSH OR DWARF VARIETIES

Bush Limas should be planted for early crops, as they come into bearing much sooner, although they are not so prolific as the pole varieties. They are usually planted in rows about 3 feet apart, while the beans are put in hills about 2 feet apart, about 3 beans to the hill.

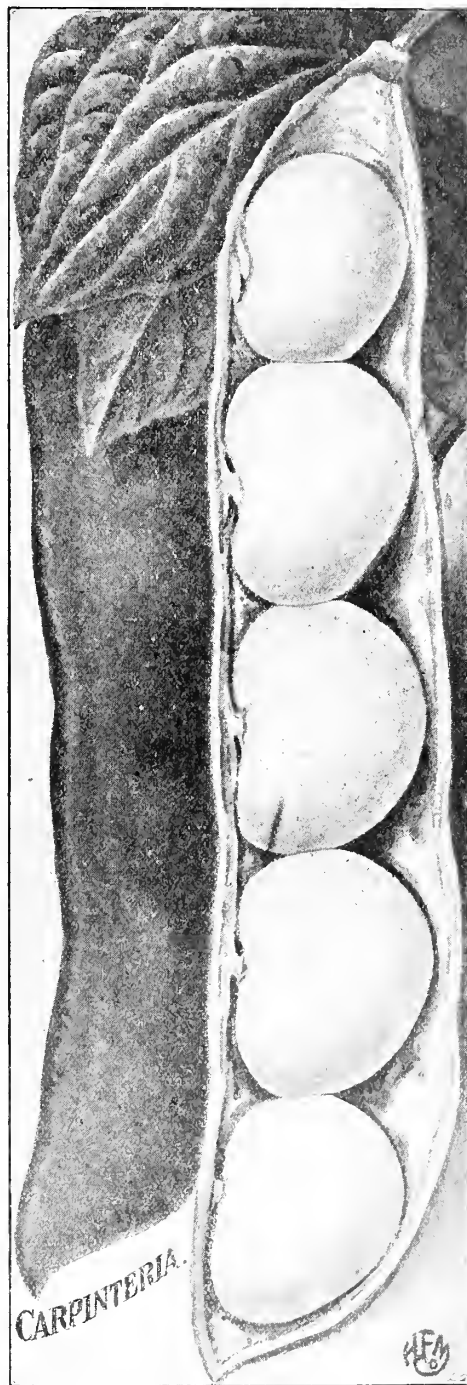
Burpee's Improved Bush Lima. This is so far ahead of the old strain of Burpee's Bush Lima that it should be used instead; the bean is thicker, sweeter, and more prolific. Pkt., 10c.; 50c. per lb.; 2 lbs., 95c.; \$1.70 per 5 lbs.; 10 lbs., \$3.10; \$7.00 per 25 lbs.

***Fordhook.** This is the best type of bush lima in cultivation; it has a distinct upright vigorous growth; the pods are borne in clusters well above the ground and frequently contains as many as 4 thick luscious beans. It matures very early and continues in bearing till frost.

Pkt., 10c.; 30c. per ½ lb.; lb., 50c.; 95c. per 2 lbs.; 5 lbs., \$1.80; \$3.30 per 10 lbs.; 25 lbs., \$7.50.

Hendersons. A dwarf, compact growing variety, with large clusters of pods, containing very small flat beans; this is a favorite sort for canning, but cannot be recommended for flavor. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.55 per 5 lbs.; 10 lbs., \$2.80; \$6.50 per 25 lbs.

Wilson's Improved. Claimed to be two weeks earlier than Burpee's Improved Bush Lima; it also is much more prolific, though the pod nor the bean is quite as large. Pkt., 10c.; 50c. per lb.; 2 lbs., 95c.; \$1.70 per 5 lbs.; 10 lbs., \$3.10; \$7.00 per 25 lbs.



Fordhook Bush Lima

Only Varieties of Beans marked * can be supplied in ½ lb. packages.

ALL PRICES SUBJECT TO MARKET CHANGES

(oi)

MICHELL'S CHOICE BEET SEED

Betterave (Fr.); Salatrube (Ger.); Barbabietola (Ital.). One ounce will sow a row 50 ft. long; 5 lbs. per acre.

Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in the row. For an early crop in hotbeds the seed should be sown in early March, while for a winter supply sow about July 10th outdoors. **Prices of all seeds on this page include mailing charges.**

Arlington Favorite. Extra early; exceedingly sweet; rich blood red. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

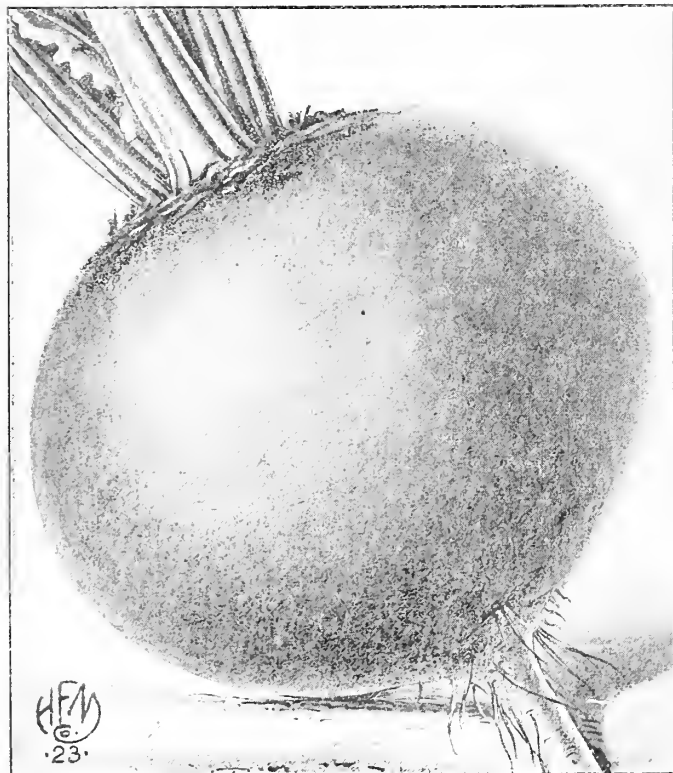
Bassano Extra Early. A flat variety; flesh white and rose colored. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Bastian's Early Blood Turnip. The best beet for market and family use; grows quite large; turnip-shaped. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Bastian's Half Long Blood. Used extensively for winter use. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.60 per lb.

Crimson Globe. Almost round in shape, a rich deep red color; it has a distinct delicious flavor and is very tender; good for sowing early for forcing and summer use. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Crosby's Egyptian. One of the earliest beets; especially desirable on account of its rich blood-red color throughout and its extreme tenderness. An early spring and winter variety and a good keeper. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.



Beet, Detroit Dark Red (Special Strain)

Detroit Dark Red (Michell's Special Strain). The seed of this variety is a careful re-selection from the choicest, most uniform roots; it will be found superior to the usual type of Detroit Beet and we recommend it in the highest of terms. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.50 per lb.

Detroit Dark Red (Regular Strain). Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Early Wonder. An extra early variety; globe shaped; flesh deep blood red and very tender. See illustration on page 48A. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.00 per lb.

Eclipse. Perfectly smooth and round; skin and flesh intense red. An excellent sort for forcing or for planting in the garden. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Lentz Early. Fine for sowing in hotbeds and outdoors early. It is a desirable winter variety also; blood-red. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

Michell's Ideal. A splendid turnip-shaped beet of rich, blood-red color; fine grained and very tender. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.40 per lb.

Michell's Winter Keeper. Globe shaped; rich red, tender and sweet; one of the best winter varieties. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 80c.; \$2.75 per lb.



Beet, Crosby's Egyptian

SWISS CHARD, GIANT LUCULLUS

Pkt., 10c.; 15c. per oz.; per $\frac{1}{4}$ lb., 40c.; \$1.25 per lb.

BEETS

Mangel Wurzel or Cattle Varieties. (See page 67.)

BASIL (Herb) Pkt., 10c.; 20c. per oz.

BORAGE (Herb) Pkt., 10c.; per oz., 25c.

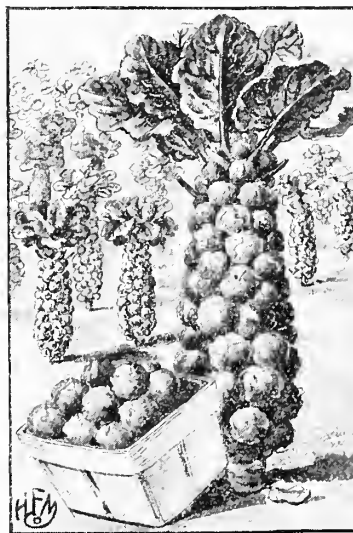
BROCCOLI

Broccoli (Fr.); Sparkelkohl (Ger.); Broccoli (Ital.).

One ounce will produce 3000 plants.

A vegetable resembling cauliflower and often grown where the latter does not thrive. Cultural method is much the same.

White Cape. Pkt., 10c.; 35c. per $\frac{1}{2}$ oz.; oz., 60c.; \$1.75 per $\frac{1}{4}$ lb.



Brussels Sprouts

BRUSSELS SPROUTS

Chou de Bruxelles (Fr.); Rosekohl (Ger.); Berza de Brussels (Ital.).

One ounce will produce about 3000 plants.

Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet apart in the row. When heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost.

Long Island Half Dwarf.

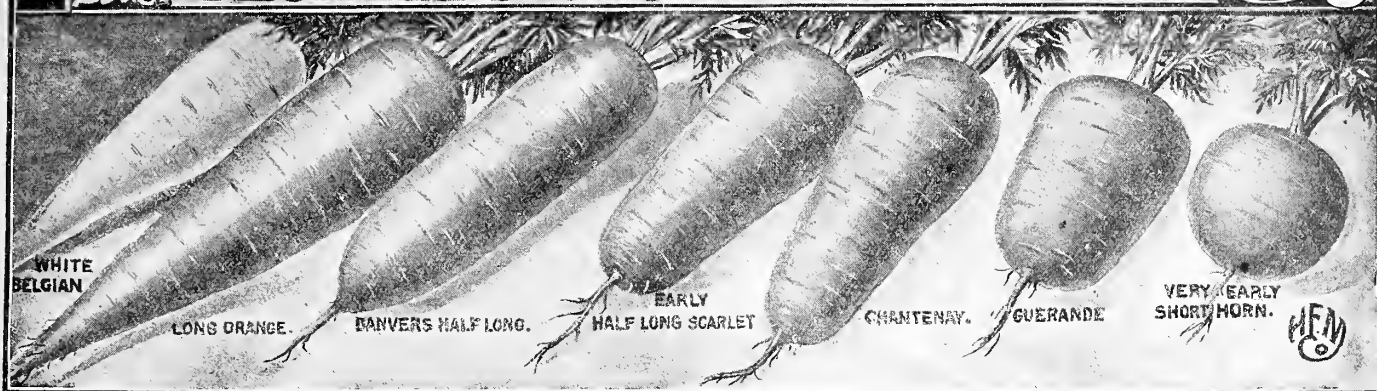
Compact heads; very productive. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 per lb.

Matchless Improved. Pkt.

10c.; 25c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 per lb.

BRUSSELS SPROUTS PLANTS (Ready in July)

25 for 30c. (by parcel post, 40c.); \$1.00 per 100 (by parcel post, \$1.15); per 1000, \$6.50.



All seeds on this page mailed postpaid at quoted prices.

Carotte (Fr.); Mohrhuben (Ger.); Carota (Ital.).

One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre.

For an early crop sow as soon as danger from frost is over in rows 1 foot apart; when 2 inches high, thin out to stand 2 inches apart in the row. For a late crop sow in May or June. The long sorts should be sown early; the half-long and round sorts can be sown later.

Chantenay Half Long. Orange scarlet color; very productive; especially desirable for market or home use. The flesh is tender, and finely grained; 5 inches long, stump-rooted. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.50 per lb.

Coreless, or Nantes Half Long. One of the finest medium sized varieties; blunt pointed, smooth; bright orange in color. See illustration on page 48A. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 60c.; \$1.75 per lb.

Danvers Half Long. The best variety for general crop; rich orange color; a very heavy yielder and splendid keeper; a first class carrot for all soils and valuable both for table and stock; 6 to 7 inches long, stump-rooted. We have an extra fine strain of this sort. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Early Half Long Scarlet. A very desirable stump-rooted variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color; can be sown in hotbeds for early use, for which purpose it is very good; 5 to 6 inches long. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.60 per lb.

Early Scarlet Horn. A favorite early red variety; fine grain and good flavor; stump-rooted, about 6 inches long; ideal for soups. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Guerande or Oxheart. A desirable variety on soils too hard and stiff for the longer growing sorts, as it is not over 3 to 4 inches long. It has a very fine flavor and is colored a rich orange. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Improved Long Orange (Michell's Special Strain). Deep orange color; 10 inches long; good flavor; yields heavily; is of excellent table quality and is also the best for stock feeding. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Orange Beauty. A first-class carrot in every respect. This variety is a special selection of a popular sort, which it excels in every way; a beautiful shade of orange; pointed root. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Rubicon Half Long. The best in shape and its deep red orange-colored flesh is of finest quality; stump-rooted. It is earlier than the Danvers and not quite so long; well adapted for early forcing and for growing outside. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.60 per lb.

Very Early Short Horn or French Forcing. An early forcing variety; small round root, not much larger than a radish. For stewing alone or when served with new peas, it is a rare delicacy. It may be sown outdoors as well as under glass. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.60 per lb.

White Belgian. Used principally for stock, not being desirable for table; produces a long thick white root. It is also used for soil or turning under, being a valuable humus maker. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 30c.; 85c. per lb.

CARAWAY (Herb)

For flavoring, etc. Pkt., 10c.; 20c. per oz.

CATNIP (Herb)

For making tea; a cat tonic, etc. Pkt., 25c.

CAULIFLOWER

Choux Fleurs (Fr.); Blumenkohl (Ger); Cavol Fiora (Ital.).
One ounce of seed will produce about 3,000 plants.

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames. When hard frosts are over plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row.

Danish Giant. An ideal variety for summer use; stands drought and heat better than other sorts; heads snow white and of enormous size; later than other sorts. Pkt., 25c.; 50c. per large pkt.; $\frac{1}{4}$ oz., \$1.00; \$1.75 per $\frac{1}{2}$ oz.; oz., \$3.00.

Early Snowball. For either forcing under glass in cold frames or outdoor spring planting, producing magnificent medium size white heads. Pkt., 25c.; 50c. per large pkt.; $\frac{1}{4}$ oz., \$1.00; \$1.75 per $\frac{1}{2}$ oz.; oz., \$3.00.

Half Early Paris. A small head; suited to growing outdoors only. Pkt., 15c.; 50c. per $\frac{1}{4}$ oz.; 85c. per $\frac{1}{2}$ oz.; oz., \$1.50.

Michell's Earliest Snowstorm. Colossal heads of purest white, averaging often 10 inches in diameter; especially desirable for its earliness under glass, but does equally well in late spring, summer, or autumn outdoors. Pkt., 25c.; 50c. per large pkt.; $\frac{1}{4}$ oz., \$1.25; \$1.85 per $\frac{1}{2}$ oz.; oz., \$3.25.

Michell's Special Strain Selected Erfurt. One of the earliest varieties; heads not as large as the Snowstorm sort. Pkt., 25c.; 50c. per large pkt.; $\frac{1}{4}$ oz., \$1.00; \$1.75 per $\frac{1}{2}$ oz.; oz., \$3.00.



Michell's Earliest Snowstorm Cauliflower

CAULIFLOWER PLANTS (Ready April 1st)

Snowball variety only. Spring plants from hotbeds. 25c. per doz. (by parcel post, 35c.); per 100, \$1.75 (by parcel post, \$1.90).

Snowball variety only. Pot-grown plants. 75c. per doz.; per 100, \$5.00. Not mailable.

MICHELL'S CHOICE CABBAGE SEED

Chou pomme (Fr.); Kopf Kohl (Ger.); Cavolo Cappuccio (Ital.)

One ounce will produce about 3,000 plants; 4 oz. will produce enough for an acre.

Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds of the early varieties in February in hotbeds and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart and 12 to 18 inches apart in the row. The second early varieties sow in April and transplant in May; late varieties, sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession.

All seeds on this page mailed postage free.

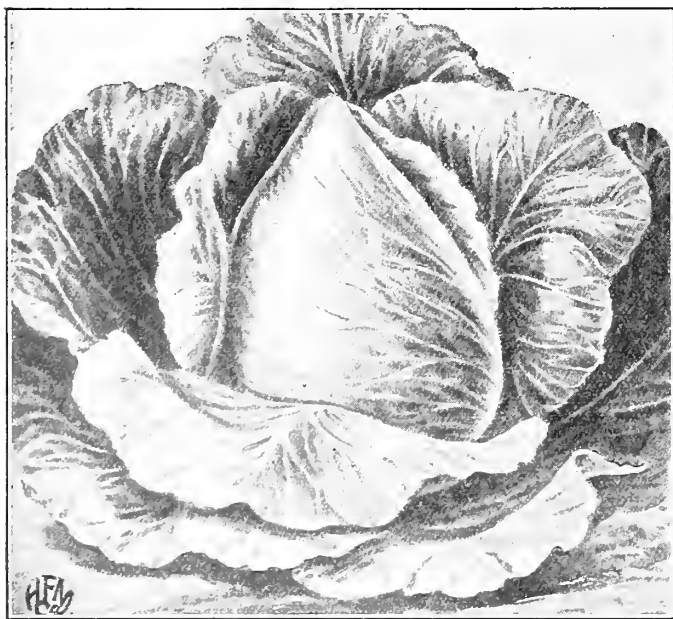
EARLY VARIETIES

All Head. The largest of the early cabbages. The head is roundish flat and remarkably solid; excellent for winter as well as early spring. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 35c.; 90c. per $\frac{1}{4}$ lb.

Babyhead. An excellent variety of cabbage, characterized especially by its extreme earliness and the small size of the heads, which is usually less than six inches across, round, firm and of splendid cooking quality; has a very short stem and on account of the few small outer leaves the plants may be set as close as 8 to 10 inches apart. It is an ideal variety for growing under glass and early open ground planting. (See illustration, page 48A.) Pkt., 15c.; 45c. per $\frac{1}{2}$ oz.; oz., 75c.; \$2.50 per $\frac{1}{4}$ lb.

Charleston or Large Wakefield. Similar to the Early Wakefield, but the heads are more blunt, equally as solid, while it grows almost twice the size and matures one week later. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 35c.; 90c. per $\frac{1}{4}$ lb.

Copenhagen Market. An early, round headed variety. The heads frequently weigh as much as 10 lbs. In this we offer a splendid sort, which should be planted by every cabbage grower. Our stock is imported and the best the market affords. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.10 per $\frac{1}{4}$ lb.

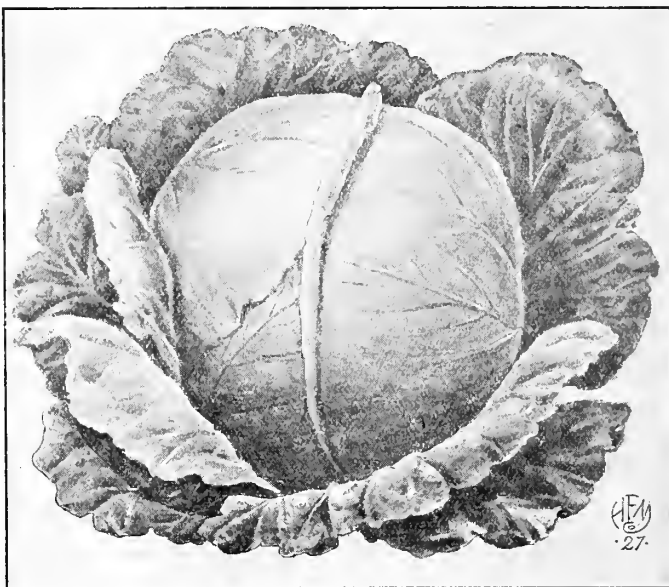


Extra Early Jersey Wakefield Cabbage

Extra Early Jersey Wakefield (Improved Strain). The finest type of early cabbage in existence; a great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. The outer leaves form a protection for the heads, which enables it to be set out earlier than other sorts. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.00 per $\frac{1}{4}$ lb.

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. A fine variety for following the early types; makes a splendid solid head. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 35c.; 90c. per $\frac{1}{4}$ lb.

Danish Ball Head (Michell's Improved Strain). This excellent winter cabbage is unequalled for its keeping qualities, massiveness and weight. For boiling, cold slaw, sauer kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; heads seldom burst. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 35c.; 90c. per $\frac{1}{4}$ lb.

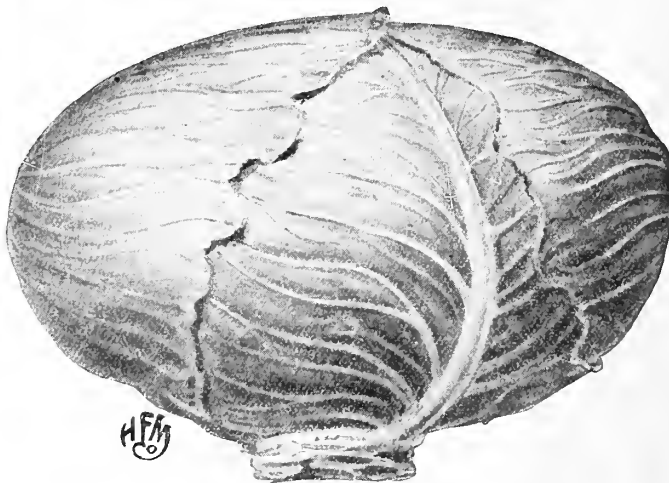


Golden Acre Cabbage

Golden Acre. Early, solid and uniform; a new acquisition to the cabbage family; the plant is dwarf in habit; heads medium size, averaging 5 lbs., round, solid and grows but few outer leaves; suitable for close planting. Follows the Baby Head in earliness, yet ten days earlier than Copenhagen Market. Pkt., 15c.; 50c. per $\frac{1}{2}$ oz.; oz., 90c.; \$2.75 per $\frac{1}{4}$ lb.

LATE OR WINTER VARIETIES

All Seasons (Vandergaw). A very large head, round and solid. Valuable for late summer or winter use. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 35c.; 90c. per $\frac{1}{4}$ lb.



Late Flat Dutch Cabbage

Late Flat Dutch (Improved Strain). This has been selected especially for our trade, the seed being taken from the finest types of heads which are selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage in existence, being very solid. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 35c.; 90c. per $\frac{1}{4}$ lb.

ALL PRICES SUBJECT TO MARKET CHANGES

(oi)

NOTE.—All seeds on this page sent postpaid at quoted prices.

LATE OR WINTER VARIETIES

—Continued

Perfection Drumhead Savoy. A beautifully crimped-leaved sort; color, a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it as being one of the best cabbages of its kind grown for either market or home use. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.10 per $\frac{1}{4}$ lb.

Red Dutch. A red variety, used extensively for pickling. For cold slaw it has merits over the white kinds. It is principally used for winter, keeping well until spring. You should have a few plants of this in your garden. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 35c.; 90c. per $\frac{1}{4}$ lb.

WONG BOK, Chinese Cabbage

A few plants of this should be in every garden; easily grown and can be served in numerous ways. Does not grow quite as tall as the Pe Tsai, but is thicker through; the heads are elongated, self-folding and requires no blanching; it resembles Romaine lettuce. In order to get proper results, seed should not be sown until after August 1st. See illustration, page 48A. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.

CABBAGE PLANTS

	100	By P. Post	1000
Early Sorts. Hotbed grown	\$0.75	\$0.90	\$6.50
Early Sorts. Cold-frame grown	1.00	1.15	8.50
Late Sorts. Field grown .....	.75	.90	5.50

CHAMOMILE (Herb)

Pkt., 10c.; 35c. per $\frac{1}{2}$ oz.; per oz., 60c.

CHERVIL

One ounce will sow a row 50 feet long.

An aromatic plant used extensively in Europe as a salad garnishing and seasoner. It adds a flavor that is entirely its own. When chopped fine and scattered on buttered potatoes it is a rare treat. American gardeners should become familiar with this, as they are missing one of the best things that grow. Sow it in a row like parsley, which it somewhat resembles. For a continuous

crop, sow every two weeks; if one has heated frames or a greenhouse it can be sown under glass all winter or in hotbeds in February. It can be cut 4 or 5 weeks after sowing.

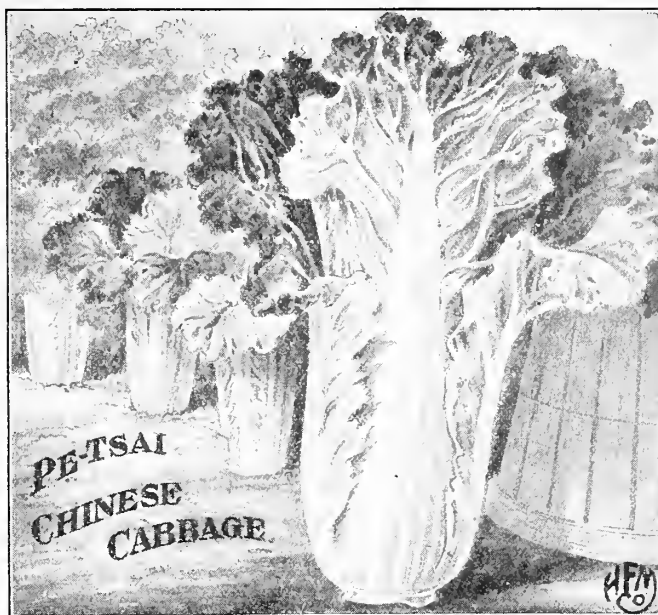
Double Curled. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.00 per lb.

CHICORY

Witloof. The roots are easily produced from seed, sown in May or June, in rows 12 inches apart; thin out the plants to 2 or 3 inches. They are taken up after a few hard frosts and cared for the same as Turnips or similar crops. Used only as a winter vegetable, the top part only being edible. Plant under a bench in the greenhouse or a light, dry, warm portion of a cellar in a bed of rich garden soil 12 inches deep. Place about 6 inches apart each way. The top growth remains intact, and may be cut any time after 5 inches growth. Roots should be set in the soil the same depth as they were originally in the garden. A continuous supply of this delicious winter vegetable can be had all winter. A cold frame makes also an ideal place for forcing them in the late winter or early spring months. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.



Witloof



PE-TSAI (Chinese or Celery Cabbage)

This resembles in appearance and growth a head of Cos Romaine or Celery Lettuce. The heads are very firm, almost like cabbage. The flavor is delightful, not at all like cabbage, but rather on the order of Witloof Chicory or French Endive. Can be planted as a spring or autumn crop. May be forced in a cold frame. The plants are handled much like lettuce, except that they should be set from 15 to 18 inches apart, the rows 2 to 2 $\frac{1}{2}$ feet apart. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.00 per $\frac{1}{4}$ lb.

CHIVES (Schnittlauch)

Indispensable for flavoring certain dishes, imparting a mild taste of onion. The plants are hardy and will last for years; don't cut the plant too close when gathering. For winter use, lift and plant in a pot or box and place in a sunny window in the kitchen.

Seed. Pkt., 15c.; 35c. per $\frac{1}{2}$ oz.; oz., 60c.

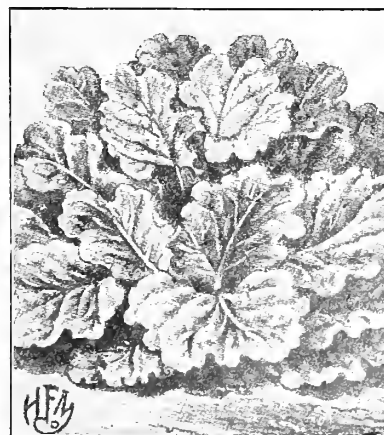
Strong Plants. 3 for 50c. (by parcel post, 60c.); \$1.50 per doz. (by parcel post, \$1.70); \$10.00 per 100.

CITRON

This will be found described under the heading of melons. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.

CORIANDER (Herb)

For flavoring etc. Pkt., 10c.; 20c. per oz.



Collards

COLLARDS

One ounce of seed will produce 3000 plants.

These are extensively grown in the south and used as greens during the winter months. In that latitude the plant is practically hardy. The lower leaves are pulled off and used, when new ones then form on the upper part of the stem, which increases in height. Plant-ed much like cabbage.

Georgia or Southern. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 60c.

MICHELL'S CHOICE CELERY

Celeri (Fr.); Sellerie (Ger.); Sedano (Ital.).

One ounce of Seed will produce 3000 to 5000 plants; half pound is sufficient for one acre.

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way; let them remain there until July when they should be planted where they are to mature in rows 3 feet apart, 6 inches apart in the row. Celery Plants if topped a few times before and when transplanted into their permanent growing place will make shorter, stockier plants. Seeds offered on this page mailed at quoted prices.

EARLY VARIETIES

Easy Blanching (*Private Stock, Penna. Grown*). A very much improved type of Easy Blanching Celery, being superior in every way. Flavor delicious, stalk very large and fine grained, the color all that can be desired. Plants set out in June are fully matured and ready for use the early part of September. The seed is grown for us by one of the leading Market Gardeners of Penna. who has made a specialty of celery for many years. Pkt., 15c.; 75c. per $\frac{1}{2}$ oz.; oz., \$1.25; \$4.25 per $\frac{1}{4}$ lb.

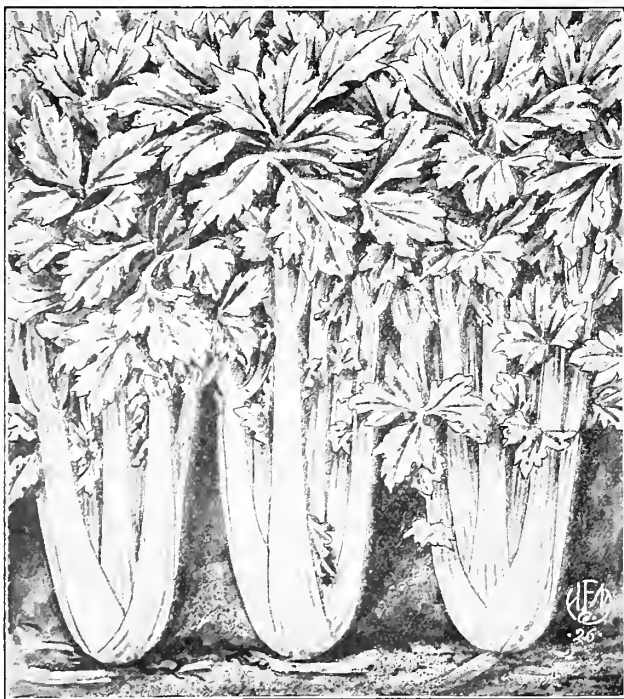
Easy Blanching. A splendid first early variety, being ready in October; produces enormous stalks which are very crisp. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 50c.; \$1.50 per $\frac{1}{4}$ lb.

Golden Plume. Matures very early; blanches very quickly, of finest flavor and without strings, crisp and tender. See illustration on page 49. Pkt., 20c.; \$1.25 per $\frac{1}{2}$ oz.; oz., \$2.25; \$7.00 per $\frac{1}{4}$ lb.

Golden Self Blanching (*French Grown Seed*). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which are never pithy and of excellent flavor; ready in October, but may be kept for early winter use. Pkt., 15c.; 70c. per $\frac{1}{2}$ oz.; oz., \$1.15; \$3.50 per $\frac{1}{4}$ lb.

Golden Self Blanching (*American Grown Seed*). Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 60c.; \$2.00 per $\frac{1}{4}$ lb.

Pink Plume. A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.00 per $\frac{1}{4}$ lb.

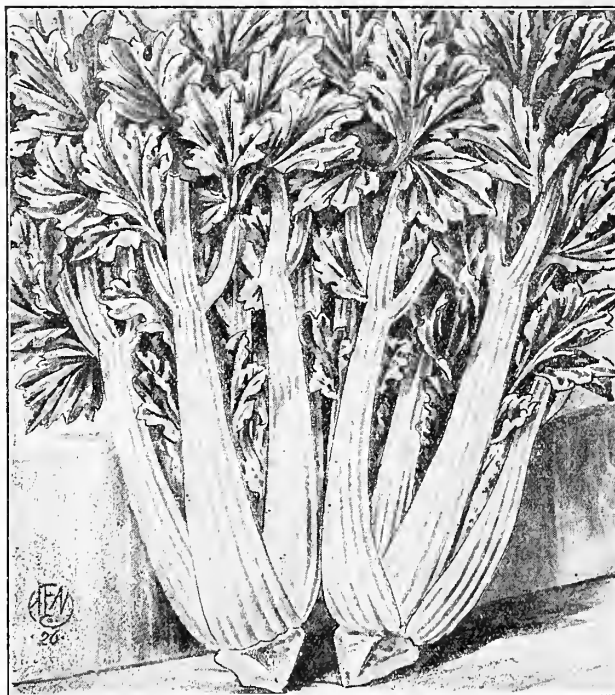


White Plume Celery

White Plume (*Micell's Private Stock*). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November. Our strain of seed is very superior in every way. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.

LATE WINTER VARIETIES

Emperor. Dwarf growing; very brittle and of extra fine flavor; a good winter keeper. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 50c.; \$1.50 per $\frac{1}{4}$ lb.



Giant Pascal Celery

Giant Pascal. This is in its prime for use during February and March, and can be used well up into spring. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., \$1.00.

Winter King. Perfectly solid, crisp and of delicious flavor; good keeper. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., \$1.00.

Winter Queen. A medium tall, solid variety; will retain its qualities long through the winter. The heart is very full and large. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., \$1.00.

CELERY PLANTS (Ready in July)

Leading varieties. Per 100, 75c. (by parcel post, 90c.); \$6.00 per 1000.

CELERY FOR FLAVORING (Not for Sowing)

10c. per oz.; $\frac{1}{4}$ lb., 25c.; 75c. per lb.

CELERY PAPER

For winter protection; 500 sq. ft. per roll. Price, \$2.00 per roll.

CELERY TAPE

Fast red, in 1000-yard spools, \$5.25 per spool (by parcel post, \$5.40).

CELERIAC

This vegetable is used for two purposes; the leaves are cut when young and used to flavor soups and meats; the roots are boiled, sliced, cooled, and served as a salad.

Giant Prague. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.50 per lb.

Concombre (Fr.); Gurken (Ger.); Cetriolo (Ital.) One ounce of seed will plant 60 hills; 2 to 3 pounds per acre.

Plant when the ground has become thoroughly warmed, in hills 4 feet each way, 8 seeds in a hill; when the second set of leaves have formed thin out to 4 plants in a hill. A type of beetle attacks this crop occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead; when this is used always wash the fruits thoroughly before using. If the foliage is attacked beneath, by aphid or green fly, a spraying with Black leaf 40 is usually very effective.

Davis Perfect. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, often measuring 10 to 12 inches in length. Its color is dark green all over and it is quite smooth and very productive. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.

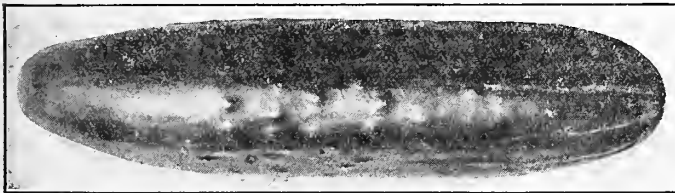
Early Fortune. One of the finest cucumbers of the White Spine type; medium length and dark green in color, which it holds for a long time after picking; flesh white and very crisp. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.

Early Market. A new variety of uniform shape and size, averaging 8 inches in length, dark green; excellent for slicing. See illustration page 49. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 60c.

Evergreen. The name is derived from the feature of its dark green color-retaining qualities; thick fruits, measuring about 8 to 9 inches long. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.

Gherkin or Burr Cucumber. For pickling only; the small fruits are roundish, about 2 inches long; very prickly when green. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.

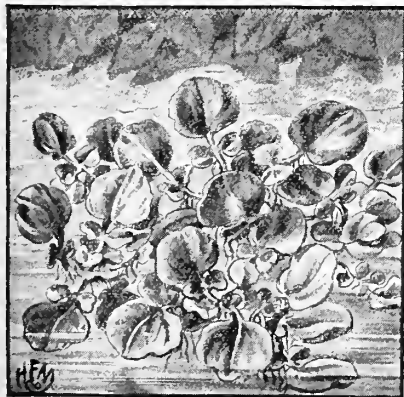
Japanese Climbing. A trellis variety used for shade as well as eating purposes. The vine is very ornamental and produces extra long light green fruits in abundance. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.



Cucumber, Improved Long Green

Improved Long Green. This is one of the long varieties, used principally for slicing. Its dark color makes it desirable for market. The vines are very vigorous and productive; the fruits are formed almost as early as the short sorts and average 12 inches in length. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 50c.

Jersey Pickle or Green Prolific. This sort can be used for slicing, but is best for pickling on account of its size, which averages 5 inches in length; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 50c.



Water Cress

GARDEN CRESS

Sow thickly in early spring in drills one foot apart and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten prepared with either a little salt and vinegar, or without. Makes a very tasty salad.

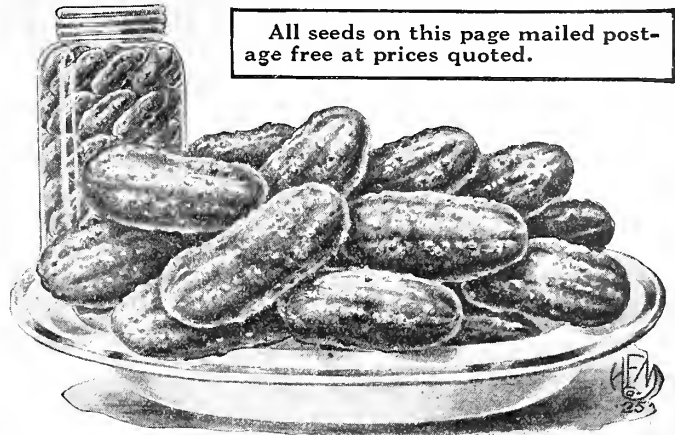
Extra Curled. Pkt., 10c.; 20c. per oz.; 30c. per $\frac{1}{4}$ lb.; lb., 75c.

WATER CRESS

This desirable cress may be sown early in spring near the brink of a pond of spring water or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity; once established it remains for years, reseeding itself.

True Erfurt. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.

All seeds on this page mailed postage free at prices quoted.

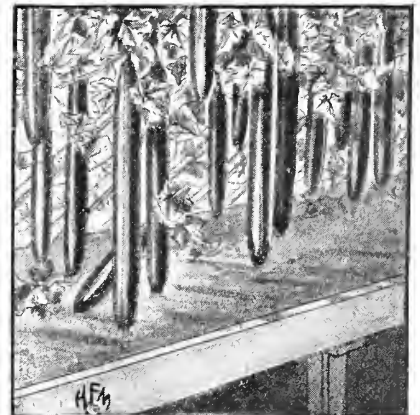


Cucumber, Jersey Pickle

White Spined (Michell's Arlington Improved). This cucumber is absolutely perfect in form, color, size and productiveness and is therefore the leading sort, not only for the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for slicing or pickling. A splendid keeper, retaining its color remarkably; the seed we offer is an extra selection. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.

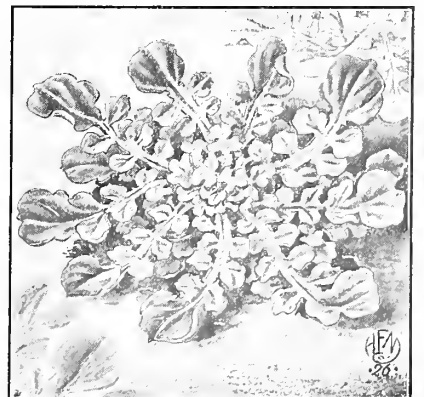
ENGLISH CUCUMBERS

These are splendid for growing in hotbed frames during the summer months, in preference to the open garden ground. They can thus be started earlier and protected during cool nights, as they are more tender than the regular outdoor varieties. They may also be grown under glass in greenhouses during the winter, producing enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

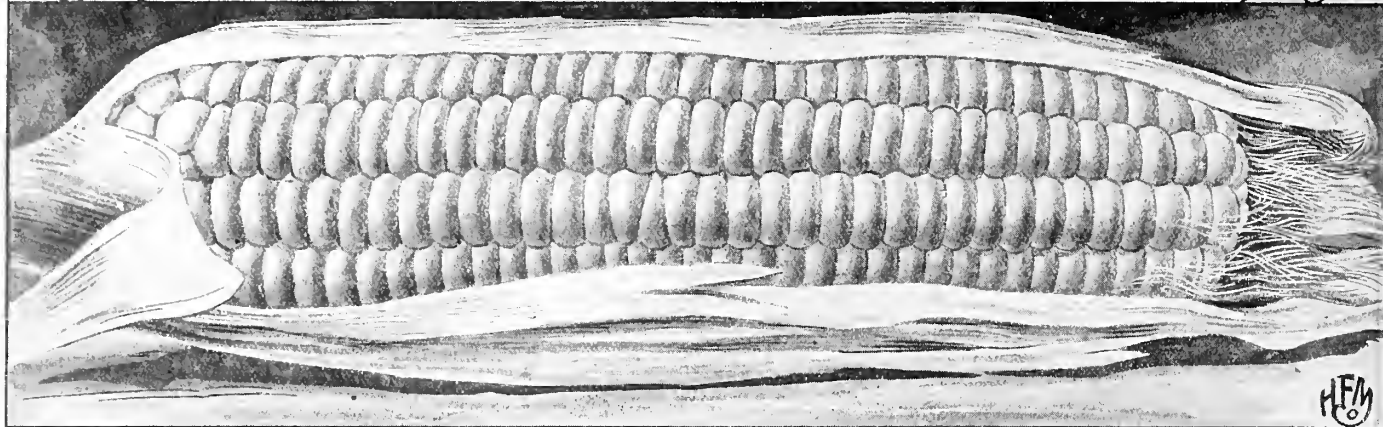


English Greenhouse Cucumbers

	Pkt. 12 Seeds	100 Seeds
Lockie's Perfection	\$0.25	\$1.75
Sion House.....	.25	1.75
Telegraph.....	.25	1.75
Tender and True.....	.25	1.75



Garden Cress



Golden Bantam

Mais (Fr.); Welschkorn (Ger.); Grano Turco (Ital.)

1 lb. will plant about 150 hills; 12 to 15 lbs. will plant an acre.

Plant once a week from the time the ground is permanently warm until July 15th, 6 to 8 grains, in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 to 4 plants to the hill. Early varieties should be planted for a late crop to be sure of maturity.

If Sugar Corn is wanted by Parcel Post, add for postage as follows: 10c. for $\frac{1}{2}$ lb.; 10c. for 1 lb.; 15c. for 2 lbs.; 20c. for 5 lbs.; 30c. for 10 lbs.; larger quantities by express or freight.

PLEASE NOTE.—Only varieties of Sugar Corn marked * can be supplied in $\frac{1}{2}$ lb. packages.

Adams Extra Early. Pure white medium sized ears, not entirely sweet. Pkt., 10c.; 30c. per lb.; 2 lbs., 55c.; \$1.10 per 5 lbs.; 10 lbs., \$1.90; \$4.00 per 25 lbs.

Bantam Evergreen. A yellow Sweet Corn noted for its excellent qualities; much larger than Golden Bantam and claimed to be more productive; it is also claimed to be considerably earlier; a splendid variety for mid and late season planting. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.25 per 25 lbs.

Early Evergreen. This variety is closely allied to Stowell's in shape, flavor and style, but is much earlier; produces large well-shaped ears, with deep grains. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.40 per 5 lbs.; 10 lbs., \$2.50; \$5.50 per 25 lbs.

Early Mayflower. Slightly earlier than Golden Bantam. Stalk about 4 feet high; ears exceptionally long and well filled for an early corn. The ears average 7 inches in length; grains tender and of excellent flavor. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.70 per 5 lbs.; 10 lbs., \$3.10; \$7.00 per 25 lbs.

***Golden Bantam.** While yellow in color this is one of the sweetest and earliest corns. Ears medium size; kernels tender and delicious. The plant is of dwarf growth; we recommend it very highly for the home garden. Pkt., 10c.; 20c. per $\frac{1}{2}$ lb.; 35c. per lb.; 65c. per 2 lbs.; 5 lbs., \$1.55; \$2.80 per 10 lbs.; 25 lbs., \$6.25.

Golden Cream. A cross between Country Gentleman and Golden Bantam and combines the excellent qualities of both. When picked ripe is a very light yellow; after being cooked it turns darker. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.45 per 5 lbs.; 10 lbs., \$2.60; \$5.75 per 25 lbs.

Golden Giant. The ear is about 11 inches long, well filled out from butt to tip and very symmetrical. Deep golden yellow ears and stalk much larger than Golden Bantam, while it is also in some localities earlier. Excellent quality and a heavy yielder. See color plate opposite page 48. Pkt., 10c.; 20c. per $\frac{1}{2}$ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.45; \$2.70 per 10 lbs.; 25 lbs., \$6.25.

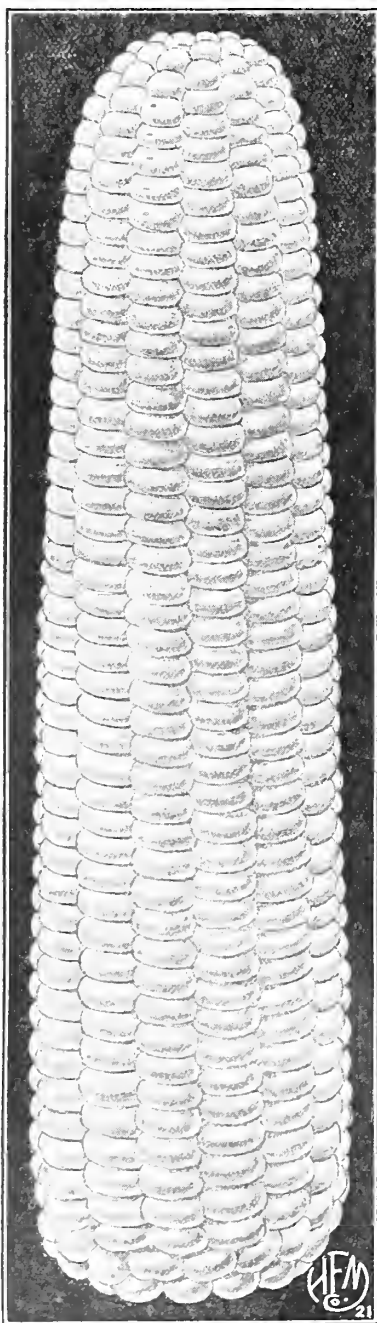
***Howling Mob.** A splendid sort for the market gardener, as well as for home use. Might be classed worm-proof, since the husk covers the ear completely and in a tight fashion. It follows the Adams Extra Early types, which are not near so sweet. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.40 per 5 lbs.; 10 lbs., \$2.60; \$6.00 per 25 lbs.

Ideal. An exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored. Pkt., 10c.; 30c. per lb.; 2 lbs., 55c.; \$1.00 per 5 lbs.; 10 lbs., \$1.80; \$4.00 per 25 lbs.

Kendel's Early Giant. Large ears, deep grain, well flavored and extra sweet. The ears are very cylindrical. An ideal sort for the first and last planting. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.45 per 5 lbs.; 10 lbs., \$2.60; \$5.75 per 25 lbs.

***Stabler's Extra Early.** This is the standard sort for the home garden. The large ears are well arrayed with even grains, which cook pure white and are very tender. Pkt., 10c.; 20c. per $\frac{1}{2}$ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.30; \$2.30 per 10 lbs.; 25 lbs., \$5.00.

For Field Corn, see page 83.



Sugar Kernel (See page 63)

MICHELL'S SELECTED SUGAR CORN

63

If Sugar Corn is wanted by Parcel Post, add for postage as follows: 10c. for $\frac{1}{2}$ lb.; 10c. for 1 lb.; 15c. for 2 lbs.; 20c. for 5 lbs.; 30c. for 10 lbs.; larger quantities by express or freight.

Only varieties of Sugar Corn marked * can be supplied in $\frac{1}{2}$ lb. packages.

MEDIUM OR LATE VARIETIES

Black Mexican. A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium sized and are produced abundantly. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.00 per 25 lbs.

***Country Gentleman** (*Michell's Improved Strain*). A distinct sort, with deep, fine grains which are staged irregularly on the cob. In sweetness it is unapproached, and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high; a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest type of ears from stalks making a larger than usual yield. Pkt., 10c.; 20c. per $\frac{1}{2}$ lb.; lb., 35c.; 2 lbs., 65c.; \$1.45 per 5 lbs.; 10 lbs., \$2.60; \$5.75 per 25 lbs.

Late Mammoth. Gigantic ears of extra fine quality, produced in great quantity. This is the latest maturing and largest of all sweet corns. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.00 per 25 lbs.

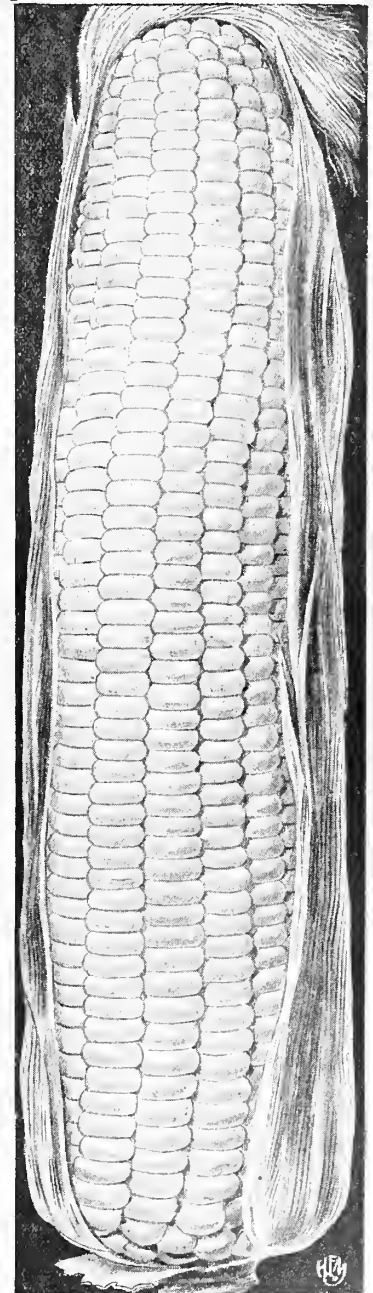
FOR FIELD CORN, see page 83

Little Gem or Shoe Peg (*Ne Plus Ultra*). This variety is closely allied to Country Gentleman and resembles it so closely that it is difficult to separate the two. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.50 per 5 lbs.; 10 lbs., \$2.80; \$6.50 per 25 lbs.

Michell's Delicious. Over twenty years ago this was selected by an old-time Philadelphia gardener, who bred it until he had it perfect. Ever since we acquired control thereof we have placed it with our best sugar corn grower with instructions to grow it for us exclusively and keep re-selecting it. The ears are well filled, medium in size and mature after the early varieties. Pkt., 10c.; 35c. per lb.; 2 lbs., 65c.; \$1.45 per 5 lbs.; 10 lbs., \$2.60; \$5.75 per 25 lbs.

***Stowell's Evergreen** (*Michell's Improved Strain*). The best late corn grown. The ears are extra large, and produced in great abundance; stalks often grow to a height of 7 feet. In sweetness it is unexcelled and for this reason it is the great favorite of the market and home gardener. Our strain has been re-selected and represents a distinct advance in every way of this splendid variety. Pkt., 10c.; 20c. per $\frac{1}{2}$ lb.; lb., 35c.; 65c. per 2 lbs.; 5 lbs., \$1.40; \$2.50 per 10 lbs.; 25 lbs., \$5.50.

Sugar Kernel. A splendid new variety, ripening medium early and yet desirable for late maturity, ears cylindrical, of medium size; excellent quality. See illustration page 62. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.65 per 5 lbs.; 10 lbs., \$3.00; \$6.75 per 25 lbs.



Stowell's Evergreen

Popular Collection—Choicest Sugar Corn

Early Mayflower.—Early. Sugar Kernel.—Medium.
Stowell's Evergreen.—Late.

For this collection we have selected three varieties most suitable for a supply of delicious corn throughout the season; plant every 2 weeks in rotation as given. Specially priced.

1 Pkt. each, 25c. } Postpaid
1 Lb. each, \$1.00 }

POP CORN (Shelled)

There is hardly a home in this vast country where the popping of corn is not considered an excellent pastime during the long, dreary evenings of winter. When popped, buttered and sugared it is not only delicious, but healthful. Not all popcorn is in the right condition for popping. What we offer, however, can be relied upon for planting and popping.

Queen's Golden (*Pops white*). Lb., 15c. (by parcel post, 25c.); 40c. for 3 lbs. (by parcel post, 55c.).

White Rice. Lb., 15c. (by parcel post, 25c.); 40c. for 3 lbs. (by parcel post, 55c.).

CORN POPPERS

Made of the best quality wire. Price includes handle and lid. 1 qt. size, 25c. each; 2 qt. size, 35c. each.

CORN SALAD (Fetticus)

Mache Ronde (Fr.); Ackersalat (Ger.).

This is principally sown for a supply of greens during winter and early spring months. Sow in September in shallow drills; when cold weather approaches, cover with a litter of leaves or long manure or straw, and upon approach of spring the covering can be taken off entirely. It can also be gathered on mild days during winter.

Large Leaved, Round Seeded. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb., postpaid.



ALL PRICES SUBJECT TO MARKET CHANGES

(oi)

MICHELL'S VEGETABLE SEEDS

All seeds on this page mailed postpaid to purchaser at prices quoted

DANDELION

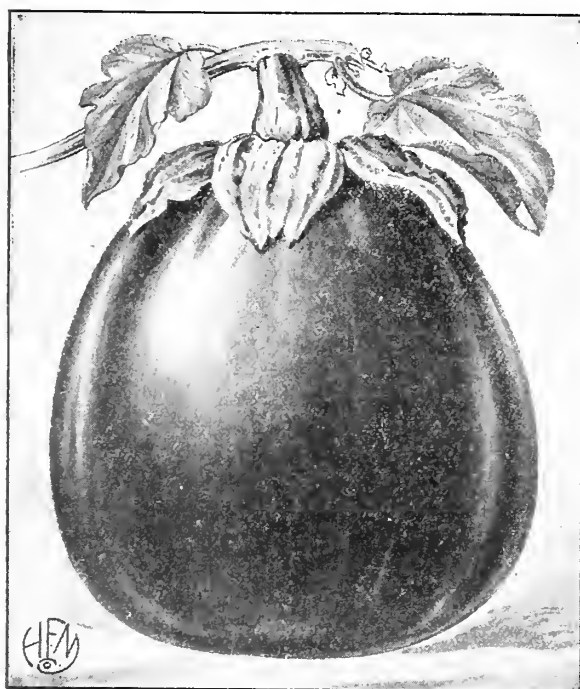
Pissenlit (Fr.); Loewenzahn (Ger.); Dente di leone (Ital.)

While this name applies to what is generally considered the most obnoxious of weeds, in cultivated form it is a valuable vegetable, grown in quantities for the New England markets where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing, but very healthy and highly recommended by physicians. Seed should be sown in spring, thickly, in a bed in the garden, where the plants should remain for the season; late in the fall cover the bed with a movable sash, or leaves, or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed.

Thick Leaved or Cabbaging. Pkt., 10c.; 45c. per $\frac{1}{2}$ oz.; oz., 85c.; \$2.75 per $\frac{1}{4}$ lb.

DILL (Herb)

Used extensively for culinary purposes and for putting with cucumbers when pickling, producing the famous "Dill Pickles." Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.



Egg Plant, Black Beauty

EGG PLANT

Aubergine (Fr.); Eierpflanze (Ger.); Petonciano (Ital.)

One ounce will produce 1000 to 2000 plants.

Sow seed in March in hotbeds, and when 3 inches high transplant into boxes or small pots. Plant outdoors in May or June or after the weather has become permanently warm, in rows 3 feet apart, with the plants set 2 feet apart in the row.

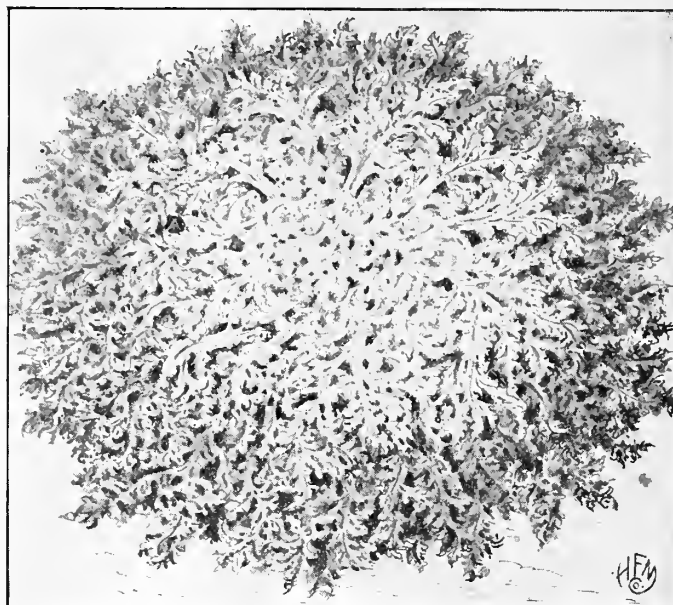
Black Beauty. An extra early, large variety, almost black in color; very prolific and with few seeds. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 50c.; \$1.50 per $\frac{1}{4}$ lb.

Michell's New York Improved. An old standard; quite large and more elongated than the Black Beauty, with a rich purple color. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 50c.; \$1.50 per $\frac{1}{4}$ lb.

EGG PLANT PLANTS

(Ready May 15)

New York Improved and Black Beauty. Pot-grown. Per doz., \$1.00; \$7.00 per 100. Not mailable.



Endive, Improved Green Curled

ENDIVE

Chircoree (Fr.); Endivien (Ger.); Indivia (Ital.)

One ounce will sow a row of 200 ft.

Sow from June to August in shallow drills and when 2 inches high thin out so the plants stand 10 inches apart. When fairly well developed, toward autumn, tie the plants together at the top with twine, but do this at a time when the leaves are dry. This is called the blanching process. If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in autumn and placed in a dry, cool cellar, covering the roots with soil.

Broad Leaved Batavian (Escarolle). Leaves broad, light green, nearly plain. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.

Giant Fringed (Oyster Endive). A variety with a large white heart and broad fringed leaves; heads measure 15 inches in diameter. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.

Improved Green Curled. An improvement over the common green variety, producing a larger head and thicker leaves. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.

White Curled (Self-blanching). This is the finest White Curled variety; always crisp and tender. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.

FENNEL (Herb)

Florence. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.

Sweet. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.

GARLIC SETS

Ail (Fr.); Knoblauch (Ger.); Aglio (Ital.)

A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort. 35c. per per lb. (by parcel post, 45c.); 5 lbs. for \$1.50 (by parcel post, \$1.70); \$2.75 per 10 lbs. (by parcel post, \$3.05).

HERBS. Complete list on page 81.

All seeds offered on this page mailed at prices quoted.

HOP VINE

Besides being used in culinary and medicinal ways, this makes a valuable shade plant. Hardy and rarely winter kills. The hops are gathered about September and stored for use on a dry floor, or hung in bags.

Green Variety, Pot grown Plants. 3 for 75c. (by P. P., 90c.); \$2.50 per doz. (by P. P., \$2.70); per 100, \$18.00.

HORSERADISH ROOTS (Ready in March)

Set the roots in rows 2½ feet apart, 1½ feet apart in the row. Late in the fall lift as many roots as you think you will use, cut off the top and place them in a cool cellar, covered with soil or sand; grate as wanted. A bed once planted remains for years.

Maliner Kren. A quick-growing variety and far superior to the common variety. Large cuttings, 35c. per doz. (by parcel post, 45c.); per 100, \$1.50 (by parcel post, \$1.65); \$10.00 per 1000.

KALE OR BORECOLE

Chou Vert (Fr.); Blatterkohl (Ger.); Cavolo Verde (Ital.). One ounce will sow a drill 150 ft. long.

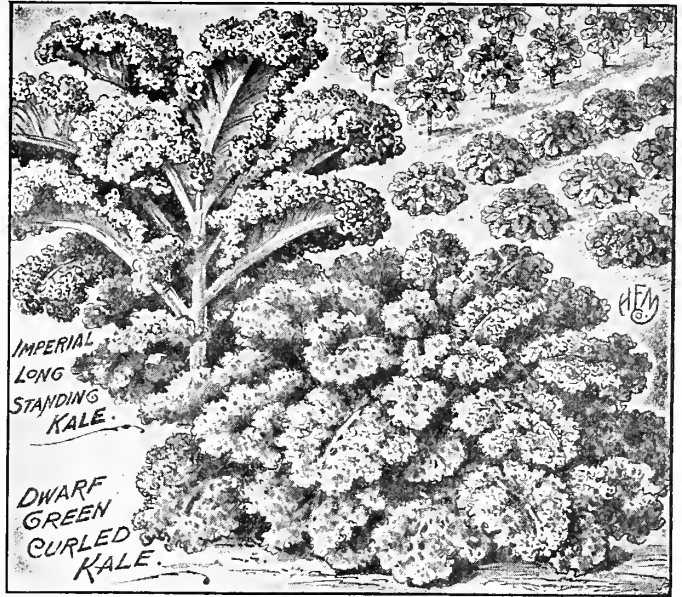
For early use it may be sown in May; when desired for winter use, sow in September, broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition. One of the finest nutritious greens for winter and early spring use.

Dwarf Green Curled. This variety is very dwarf and compact, rarely attaining a height of over 6 inches. The color is dark green; curly. Pkt., 10c.; 15c. per oz.; ¼ lb., 45c.; \$1.25 per lb.

Imperial Long Standing. The outer edge of leaves are very crimp, inside smooth, dark green in color with a bluish cast. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 10c.; 15c. per oz.; ¼ lb., 35c.; \$1.00 per lb.

Siberian. A very hardy variety; leaves large and cook very tender. Pkt., 10c.; 15c. per oz.; ¼ lb., 35c.; \$1.00 per lb.

See pages 48 to 50 for Vegetable Seed Specialties.



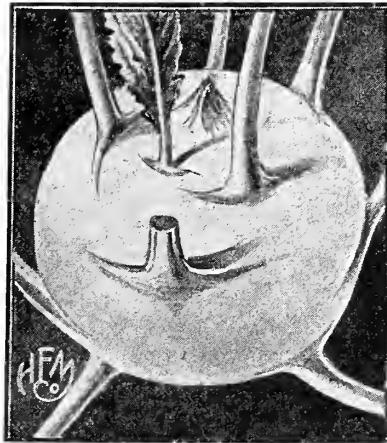
KOHL-RABI

Chou Rave (Fr.); Kohl Rabi (Ger.); Cavolo rapa (Ital.).

One ounce will sow about 200 feet of drill.

It is regrettable that this splendid vegetable is not more widely used. We would suggest to those who have not given it a trial that they do so. Sow seed in early spring in hotbeds or outdoors and transplant when 3 inches high, in rows 18 inches apart, 6 inches in the row. The edible part is the root, which grows above the ground; this should be used when it attains a size of 2½ inches in diameter or less; at this stage it is extremely tender and delicious, while if allowed to get larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root.

Blue or Purple Vienna. The flesh is white, skin a bluish color. Principally used for outdoor sowing. Pkt., 10c.; 25c. per oz.; ¼ lb., 85c.



Kohl-Rabi

Early White Vienna. This variety is suited for sowing under glass and for outdoors. The top is very short, thus allowing all the development to go to the root, insuring early maturity. Very finely grained and of excellent quality. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.

LAVENDER (Herb)

Seed. Pkt., 10c.; 35c. per oz.

LAVENDER PLANTS

Pot Grown. 3 for 75c. (by parcel post, 90c.); \$2.50 per doz.; per 100, \$15.00.

LEEK

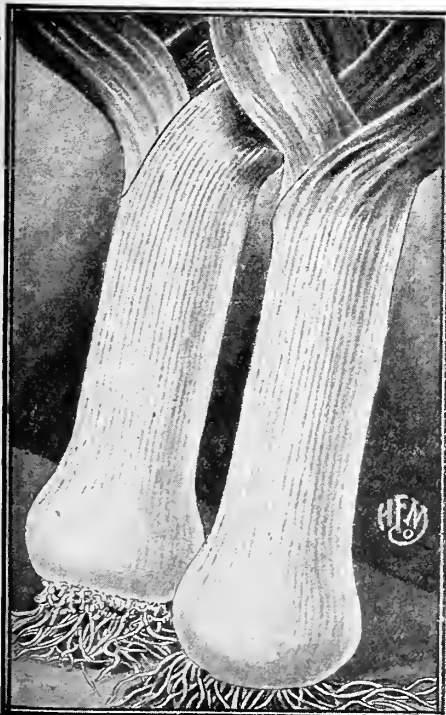
Poireau (Fr.); Lauch (Ger.); Porro (Ital.).

One ounce of seed will sow about 100 feet of drill.

Allied to the onion family but producing no bulb; the stalks are cut and used for flavoring soups; also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows 1 foot apart, covering the seed about an inch; when about 4 inches high transplant where it is to develop, in rich soil in rows 18 inches apart 6 inches in the row. When fully grown, hill soil against them to blanch them; about November 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches, thus a supply may be had all winter.

American Flag. Popular for the home garden. Makes a longer but narrower stalk than others. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.

Giant Carentan. A variety which produces colossal stalks of tender quality; splendid for exhibition purposes. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.



Giant Carentan Leek

MICHELL'S CHOICE STRAINS OF LETTUCE

All prices on this page, include postage.

HEADING VARIETIES

Latue (Fr.); Lattich Salat (Ger.); Lattuga (Ital.)

One ounce of seed will produce about 2500 plants.

All Heart. An excellent lettuce for either spring or summer use. The head, while large, has a loose heart, which is of a decided buttery flavor; can be used for sowing in frames, or in spring and early summer outdoors. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 60c.

All Right (Michell's). This is not a variety for forcing, but rather for an early spring crop in the hotbed or outdoors and for sowing in August for late autumn under sash or outside; it is not affected by cold, which, with some sorts turns them brown; on the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., \$1.00.

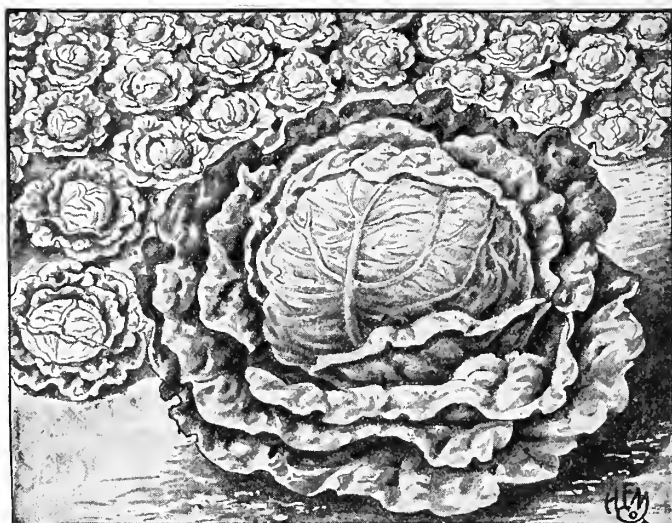
Big Boston. A large, flat, cabbage-headed variety; splendid for midsummer or fall use, or under glass in the early spring and autumn; a delightful shade of light green, tinged light brown on the outer leaves. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 75c.

Boston Market (White Seeded Tennisball). Early, small heading variety; one of the best for forcing; the heart is very solid and crisp. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 75c.

Davey's Improved Big Boston. This strain is superior to the usual strain of Big Boston; heads larger, more solid and of better flavor; excellent for under glass or for midsummer or fall outdoors. Pkt., 10c.; 35c. per oz.; $\frac{1}{4}$ lb., \$1.00.

Dutch Butter (Private Stock). A medium-sized head; light green leaves, with delicate yellow heart. The outer leaves are tinged brown on the edges. Suitable for forcing or outdoor planting. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 75c.

Hanson Improved. Tremendous solid heads; the outer leaves are curled, the interior is almost white and very tender; resists the heat well, therefore excellent for summer use. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 85c.



Michell's Number One Lettuce

Michell's Number One. This lettuce is a positive header under most trying conditions. It is tender, of a decided buttery flavor and unusually large. A valuable type for hot weather; also desirable for autumn use. Should not be used for forcing. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., \$1.00.

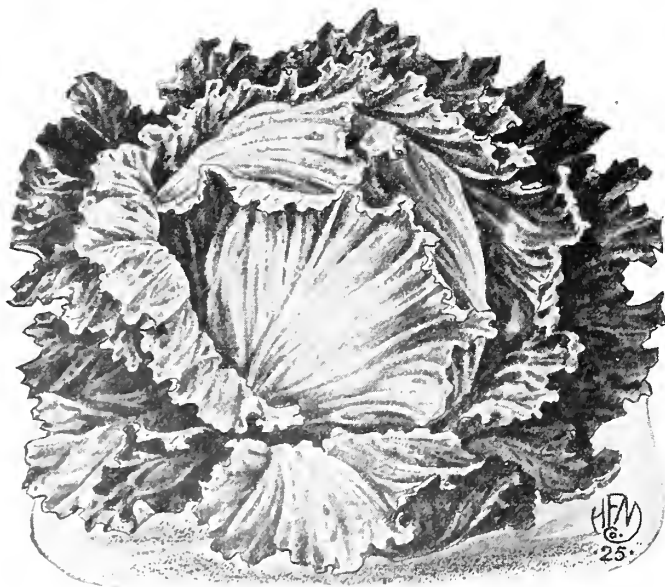
New York or Wonderful. Of the cabbage-headed sorts this is a leader; color, dark green, with white interior; heads large, with curled outer leaves, a popular kind for summer. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.

Prize Head. A splendid loosely-formed head, claimed to do well where all others fail; desirable for outdoor planting only; has a dark tinge on the outer leaves. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.

Salamander (Mammoth). One of the best midsummer varieties, resisting heat and drought, and remains in heading condition longer than many others. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 85c.

Unrivaled. Very large, light green and of a crisp nature; very desirable for summer use. Pkt., 10c.; 35c. per oz.; $\frac{1}{4}$ lb., \$1.00.

Wayhead. The earliest hard heading lettuce in cultivation, doing well either under glass or in the open, in spring or autumn. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., \$1.00.



Iceberg Lettuce

Iceberg. A splendid variety, producing large, solid cabbage-like heads; firm, crisp and of fine flavor; leaves curly, slightly tinged red. Pkt., 10c.; 35c. per oz.; $\frac{1}{4}$ lb., \$1.00.

May King. The first solid head lettuce to mature outdoors, hence its name; it is of good size, with tender, full heart. Suitable for sowing under sash in early spring. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 85c.



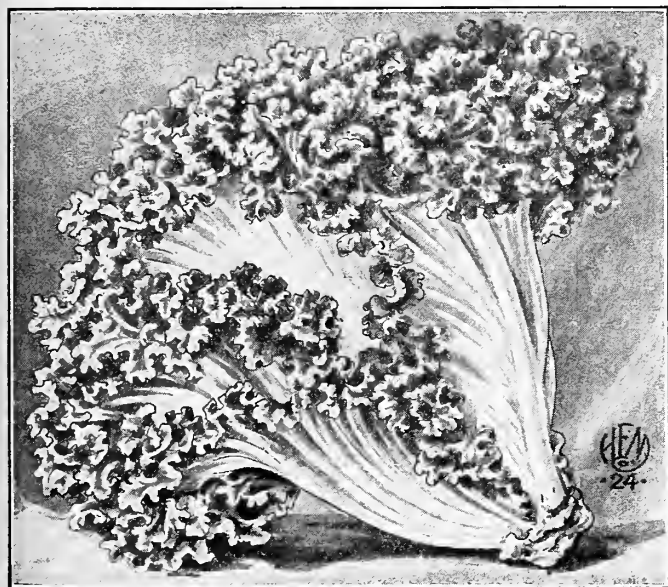
Early Curled Simpson Lettuce (See next page)

LOOSE LEAF OR CUTTING VARIETIES

For early or midsummer use seed should be sown very thickly. When pulling the young plants try to do so with an effort to thin out the bed, thus allowing the remaining plants to become large. This class of lettuce is always tender.

Black Seeded Simpson. Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. When matured, presents a formidable loose head with finely fringed leaves. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 75c.

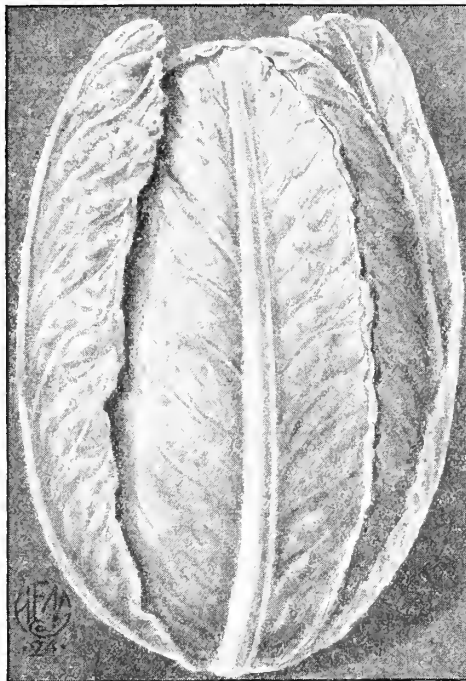
Early Curled Simpson. (See illustration, page 66). A splendid curly-leaved sort; loose heads and very tender. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 75c.



Lettuce, Grand Rapids

Grand Rapids (Special Strain). The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle and have a palatable flavor. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 75c.

Silesian. This variety should be cut instead of pulled, as it makes new growth from the same root. A light green color, and when given plenty of room will form a large loose head. Pkt., 10c.; 30c. per oz.; $\frac{1}{4}$ lb., 75c.



Lettuce, Kingsholm Cos

COS, ROMAINE OR CELERY LETTUCE

Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its peculiar upright growth. To have it tender the heads must be tied together at the top so that the inner leaves blanch; it has a decided flavor. It is best adapted to outdoor planting and stands the heat well.

Kingsholm Cos. The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no rib, the heads are very full throughout and therefore contain more edible part. Pkt., 10c.; 35c. per oz.; $\frac{1}{4}$ lb., \$1.00.

LETTUCE PLANTS

We can supply these (at all seasons) in heading varieties only, of our selection. 25 for 25c. (by parcel post, 40c.); 75c. per 100 (by parcel post, 95c.); per 1000, \$6.00.

ALL SEEDS Offered on this page mailed at quoted prices except Mangel-Wurzel.

MANGEL-WURZEL OR CATTLE BEETS

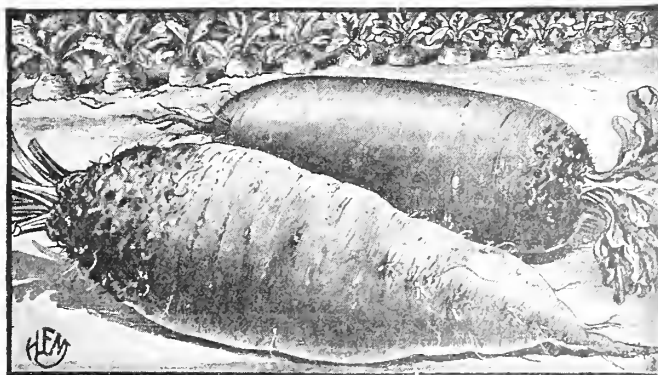
Seed selected from specimen roots

Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills about 24 inches apart. Thin out to 12 inches apart in the row and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzels. They provide excellent winter food for cattle, sheep, hogs and poultry.

Golden Tankard. The best long yellow mangel in cultivation. Relished by cows, sheep and hogs. Matures earlier than other large sorts. 10c. per oz.; $\frac{1}{4}$ lb., 20c.; 60c. per lb. (by parcel post, 70c.); \$2.50 per 5 lbs. (by parcel post, \$2.70).

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding. Contains a very high percentage of sugar content. 10c. per oz.; $\frac{1}{4}$ lb., 20c.; 60c. per lb. (by parcel post, 70c.); 5 lbs., \$2.50 (by parcel post, \$2.70).

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 75 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. 10c. per oz.; $\frac{1}{4}$ lb., 20c.; 60c. per lb. (by parcel post, 70c.); 5 lbs., \$2.50 (by parcel post, \$2.70).



Mitchell's Mammoth Long Red and Golden Tankard Mangels

See page 56 for Table Beets.

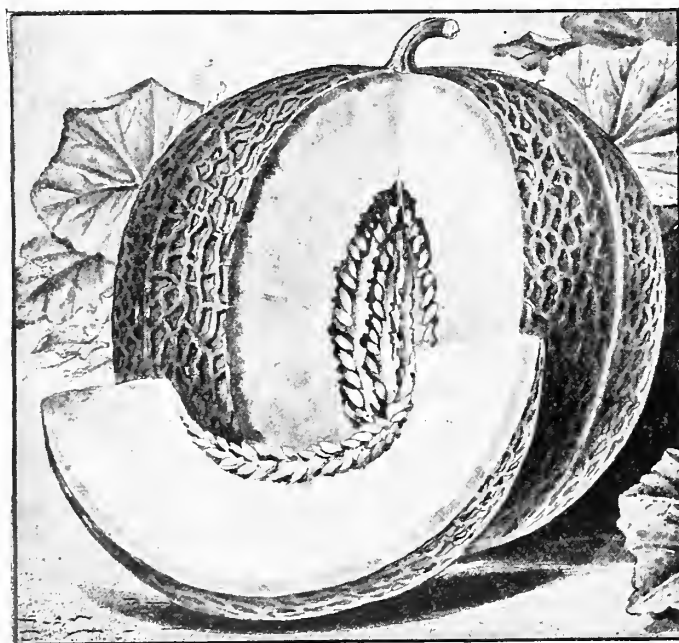
MICHELL'S MUSKMELON OR CANTALOUPE

Melon Muscade (Fr.); Melone (Ger.); Popone Melone (Ital.)
One ounce will plant about 50 hills; 2 to 3 lbs. are required
for an acre.

While these do best to reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants in a hill. Watch carefully for insects of various kinds, especially the melon louse that works under the leaf and shrivels it, causing the plant to die. To fight this successfully, raise up the vines and spray underneath with Pyrox, Arsenate of Lead, or some of the various Nikoteen preparations.

Delicious Gold Lined. Flesh thick, fine grained and sweet; color green, with a gold margin next to the seed cavity; slightly oval and heavily netted. A variety which every melon planter should include in his list. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.

Emerald Gem. Among the standard varieties, this has long been a leader. Flat shape; the flesh, which is thicker than any other melon of the same shape, is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.



Fordhook Muskmelon

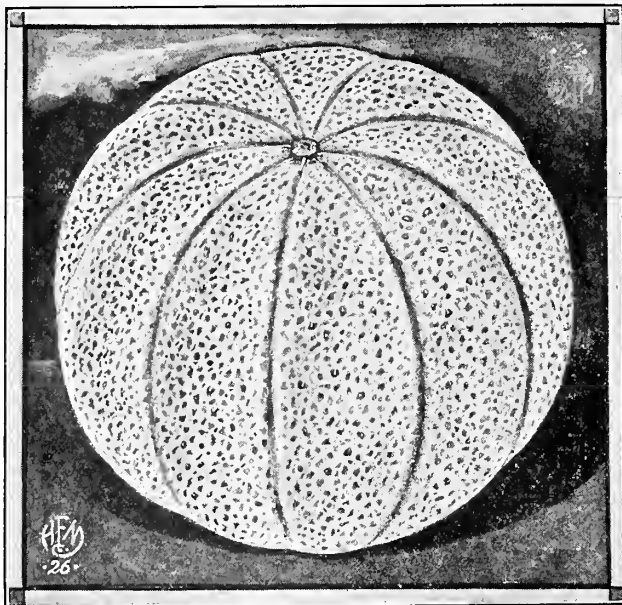
Fordhook. This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem, on which it is claimed to be an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each; an early variety, and always prolific. The netted rind is very thin and the melon can be eaten very close thereto. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.

Honey Dew. A late maturer; large in size, being 6 inches in diameter and from 7 to 8 inches long. The skin is smooth with an occasional net and creamy white. The thick flesh is emerald green, melting, and of a wonderfully delicious flavor, sweet as honey. The ripe melons can be kept in a suitable place for several weeks before using, in fact, they can be placed in cool storage and kept until Christmas. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.

Jenny Lind. A small, flat, very early sort; heavily netted and ribbed; green flesh; an altogether good variety to plant with others, using this for the first picking. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.

Mitchell's Delicious. This deservedly enjoys a good name, large in size, often weighing 15 to 20 lbs. The flesh is very deep orange-salmon and of splendid quality. See illustration on page 49. Pkt., 15c.; 40c. per $\frac{1}{2}$ oz.; 65c. per oz.; per $\frac{1}{4}$ lb., \$2.00.

All seeds on this page mailed postpaid at prices quoted.



Muskmelon, Hearts of Gold

Hearts of Gold. A splendid mid-season variety; fruit round, distinctly ribbed; flesh which is a deep salmon color, is thick and can be eaten very close to the rind, excellent flavor. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.

Rockyford (Improved Strain). A medium early variety, suitable for growing in all sections; the fruit is oval in shape and covered with a fine netting; flesh green, very sweet and highly flavored. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.

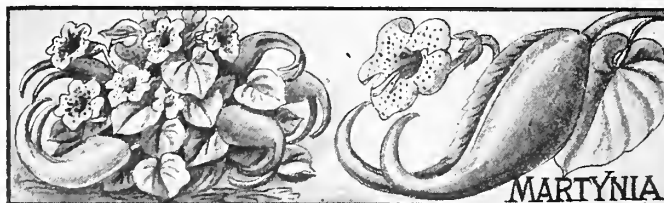
FORCING MELONS (English Varieties)

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hot bed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumber.

Blenheim Orange, Invincible Scarlet, Windsor Castle.
Each variety per pkt., 25c.; 65c. per 3 pkts.

Sutton's A1. In original packets, \$1.25 per pkt.

MELON NETS. For supporting forcing melons in green-houses; made very strong; will last for a number of crops. \$2.50 per doz.; per 100, \$18.00.



MARTYNIA (Unicorn Plant)

A bushy plant growing 2 feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked may be pickled the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so the plants stand 2 feet apart each way.

Proboscidea. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.

MICHELL'S CHOICE STRAIN WATERMELON

69

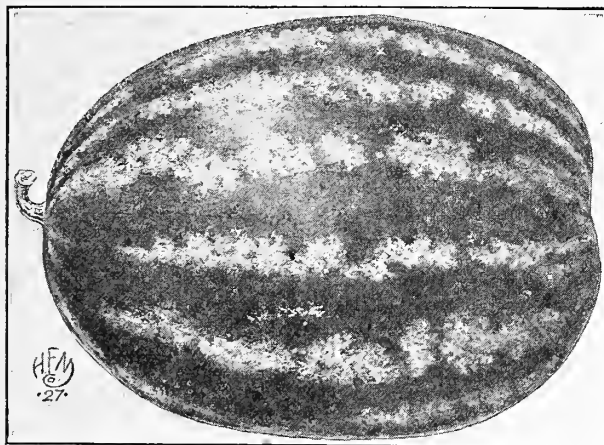
Melon d'eau (Fr.); Wasser Melone (Ger.); Melone d'aqua (Ital.)

One ounce will plant 30 hills, four pounds are required for an acre.

Plant in hills 10 feet apart each way or in drills 10 feet apart, dropping one seed every 3 feet. A little land plaster dusted over the young plants will keep beetles away. Watermelons should not be planted until after the soil has become thoroughly warm. Our list of watermelons is limited, as we offer only the varieties which from experience we know are the better ones.

Dixie. The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the old-time favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.

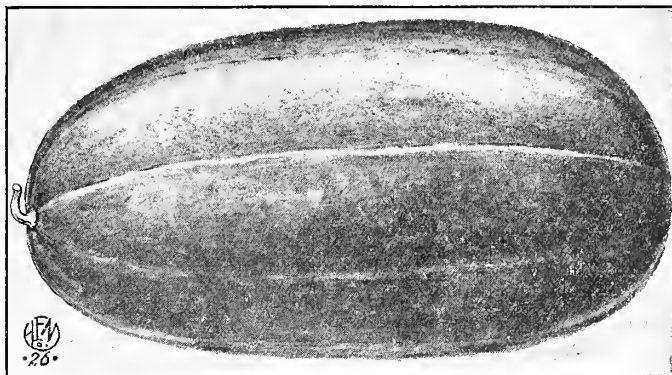
Halbert Honey. An ideal family garden, or home market melon. The long fruits with blunt ends are very large often weighing 50 lbs.; the rind is very thin, dark green, while the flesh is a rich crimson. It tastes like a sugar stick and it melts under pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.



Watermelon, Harris' Earliest

Harris' Earliest. This variety ripens very early and is one of the best on this account to raise in the northern states. Fruit oblong and marbled with light and dark green; flesh bright red and of good quality. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.

All seeds (not plants) on this page sent postpaid at prices quoted.



Watermelon, Kleckley Sweets

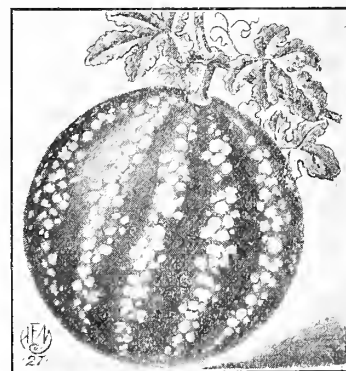
Kleckley Sweets. A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.

Tom Watson. A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh, which is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities. The rind being tough, it will resist plenty of abuse. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.

PRESERVING MELON OR CITRON

A large-fruited variety; pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

California Red Seeded. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.



Preserving Citron

MINT (Herb)

Pkt., 25c.; 65c. for 3 pkts.

MINT PLANTS (Pot Grown)

Spearmint. 3 for 60c. (by parcel post, 75c.); doz., \$1.50 (by parcel post, \$1.75); \$10.00 per 100.

Peppermint. 3 for 60c. (by parcel post, 75c.); doz., \$1.50 (by parcel post, \$1.75); \$10.00 per 100.

MUSTARD

One ounce will sow a row 75 feet long.

It makes a delicious green salad, pungent in taste, highly palatable and healthy. Sow every two weeks in rows the same as spinach. It must be used while young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce for flavoring. If the plant is allowed to stand, the seed can be harvested and used for other culinary purposes.

Southern Giant Curled. The best of the curled mustards; of sweet flavor; matures very early and produces abundant foliage. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.00 per lb.

White or Yellow. Small, smooth, deeply serrated leaves which are tender and mild in flavor; plant is of upright habit. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 30c.; 85c. per lb.



Mustard, Southern Giant Curled

ALL PRICES SUBJECT TO MARKET CHANGES

(oi)

MICHELL'S VEGETABLE SEEDS, ETC.



PURE SPORE CULTURE SPAWN

The growing of Mushrooms is rapidly increasing, and the demand for them has reached immense proportions. A fine crop of mushrooms can be secured with very little labor or expense, provided a suitable location can be obtained. Cellars, greenhouses and sheds can be used for their culture. We are now offering our customers spawn that is made in quart milk jars under absolutely sterile conditions. The bottle and materials are sterilized under steam pressure of twelve lbs., so that every mould, weed seed or insect is destroyed and each bottle contains nothing but the pure spawn. Every particle is full run, covered with spawn grown direct from the spores. One carton of the spawn equals 5 bricks of ordinary spawn and is sufficient to spawn about 40 square feet. The sterile spawn is dried thoroughly and each piece wrapped in tissue paper, which contains full instructions, not only as to how the spawn should be used, but full particulars about growing mushrooms. Any one can order spawn and with it get the necessary knowledge to make growing entirely successful.

PRICES

Per carton.....	\$1.00	25 cartons.....	\$21.25
12 cartons.....	10.75	60 cartons.....	48.00

If wanted by P. P., allow 10c. per carton for postage.

PURE CULTURE BRICK SPAWN

A crop is produced with good spawn, and a little care and patience in about 5 to 10 weeks, and continues bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Ask for our Free Leaflet on Mushroom Culture. One brick will spawn 8 to 10 sq. ft.

Direct No. 8. Cream White. For use from April to October.

Direct No. 9. Pure White. For use from October to April.

Per brick.....	\$0.35	Per 10 bricks.....	\$2.75
Per 5 bricks.....	1.50	Per 25 bricks.....	6.50
Per 50 bricks.....			\$12.50

If wanted by P. P., allow for postage at the rate of 10c. per brick; 20c. per 5 bricks; 30c. per 10 bricks.

MUSHROOM OR HOTBED THERMOMETERS

No. 20450. Iron Point, oxidized finish. Price, \$2.25 (by parcel post, \$2.45).

Thermometers should, wherever possible, be sent by express. We do not guarantee safe arrival if forwarded by parcel post.

BOOKS ON GROWING MUSHROOMS

Mushroom Culture (<i>D ggar</i>).	260 pages.....	\$2.15
Mushrooms, How to Grow (<i>Falconer</i>).	170 pages.....	1.75

OKRA OR GUMBO

Combo (Fr.); Ocher (Ger.); Ocra (Ital.)

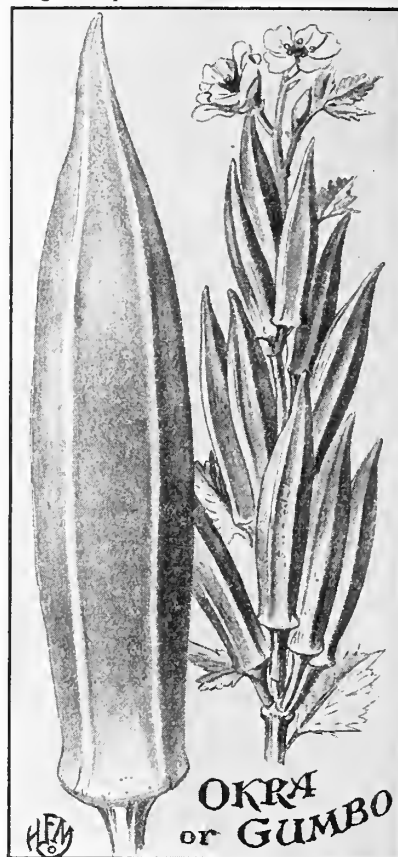
One oz. will sow a row about 100 feet long.

The seed is sown in rows, thickly, like peas (in ground that is rich), after the frost and cold have disappeared, the rows, 3 feet apart; when about 6 inches high the plants should be thinned out to stand 12 inches apart in the row. The pod is used when young and tender, sliced in soups and stews; what is not utilized during the summer may be harvested, cut in slices and dried in the sun; after being cured in this way it should be put on the pantry shelf for use during the winter. In this way one may have Chicken Gumbo soup any day of the year.

Perkin's Long Pod (Improved Strain). A wonderful dwarf type, setting pods when the plants are only a foot high. It can be planted somewhat earlier than other sorts. The pods are exceedingly long and tender and of a dark green color. Pkt., 10c.; 20c. per oz.; ¼ lb., 45c.;

White Velvet or Creole. The pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green, almost white in color. Pkt., 10c.; 20c. per oz.; ¼ lb., 45c.;

Prices quoted for Okra seed are postpaid.



ONION SETS

One quart will plant a row about 50 feet.

Plant just as soon as the ground can be worked. Press the bulb in the ground lightly (and do not cover), in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion, on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in the locality of Philadelphia for winter storage as early as July 10th. The advantage in planting onion sets lies in the fact that the young onion is ready often in 5 weeks from the time of planting, while those grown from seed cannot be used until well in the autumn.

Shipped on Local Orders about March 10, unless otherwise requested.

Yellow. 15c. per pt. (by parcel post, 20c.); qt., 30c. (by parcel post, 40c.).

White. 20c. per pt. (by parcel post, 25c.); qt., 40c. (by parcel post, 50c.).

Red. 15c. per pt. (by parcel post, 20c.); qt., 30c. (by parcel post, 40c.).

White Multiplier. 30c. per lb. (by parcel post, 40c.).

Potato Onions. 40c. per lb. (by parcel post, 50c.).

Shallots. 30c. per lb. (by parcel post, 40c.).

Tree or Top Onions. Can be supplied in September and October.

Garlic Sets. Per lb., 35c. (by parcel post, 45c.); \$1.50 per 5 lbs. (by parcel post, \$1.70); 10 lbs., \$2.75 (by parcel post, \$3.05).

We give 32 lbs. per bushel on Onion Sets.

Prices on larger quantities of Onion Sets will be quoted on request.

Ognon (Fr.); Zwiebel (Ger.); Cipolla (Ital.).

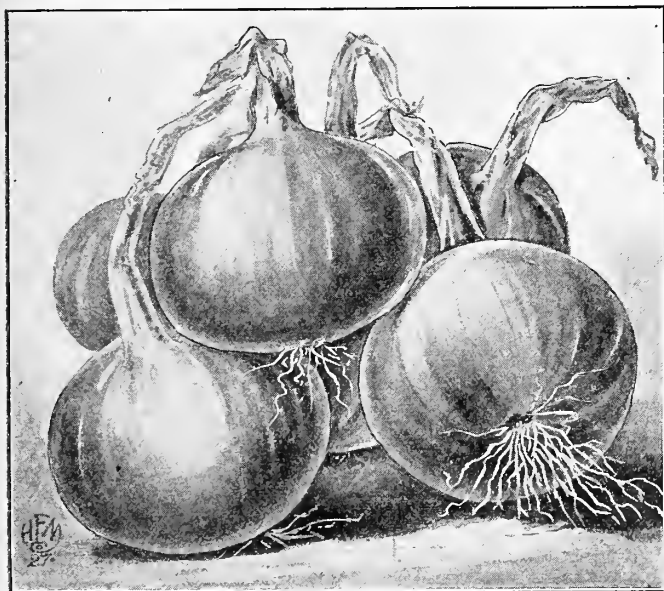
To grow full size onions, one ounce of seed will sow a 100 foot row; 5 to 6 pounds are required per acre. If it is desired to grow onion sets, sow 40 to 50 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when 3 inches high, so that they stand about 2 or 3 inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping.

Ailsa Craig. The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplant where they are to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.

Bermuda White. Although known as the Bermuda White it is a light yellow or straw color; it is early and if transplanted about 4 inches apart, will produce immense flat bulbs. In the raw state it is very mild, while when cooked, the flesh is tender and of a delicious flavor; an elegant variety for slicing. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 45c.; \$1.40 per $\frac{1}{4}$ lb.

Danvers Yellow Globe. This almost round-shaped onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to a large size. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.



Onion, Ebenezer or Japanese

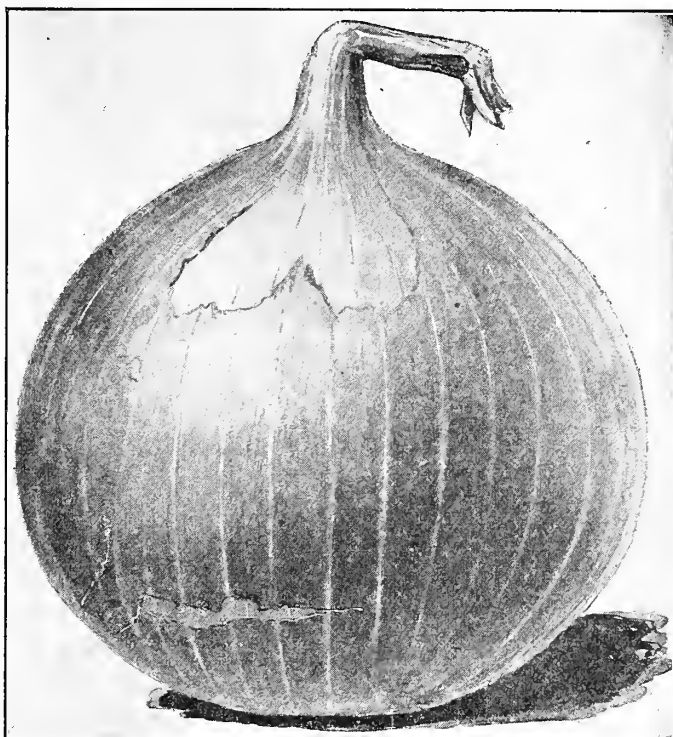
Ebenezer or Japanese. This is one of the mildest flavored varieties; similar in shape and size to the Danvers Yellow Globe; firm, solid and an excellent keeper. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.

Large Red Wethersfield. A flat, large growing variety. The red onions are excellent winter keepers; flavor much like the yellow sorts, full-size onions can be grown in one season. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; 95c. per $\frac{1}{4}$ lb.

Southport White Globe. A beautiful type of an almost round onion, growing to an enormous size. This is perhaps the best onion of all for family use. The flesh when cooked is of a rich milky color, of tender and delicious flavor and in the raw state it is one of the mildest. Pkt., 10c.; 30c. per $\frac{1}{2}$ oz.; oz., 45c.; \$1.50 per $\frac{1}{4}$ lb.

Southport Yellow Globe. Similar to the Danvers except larger in size, more like the Prizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.00 per $\frac{1}{4}$ lb.

White Barletta. An extra early small round variety, used principally for pickling, also for bunching. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.

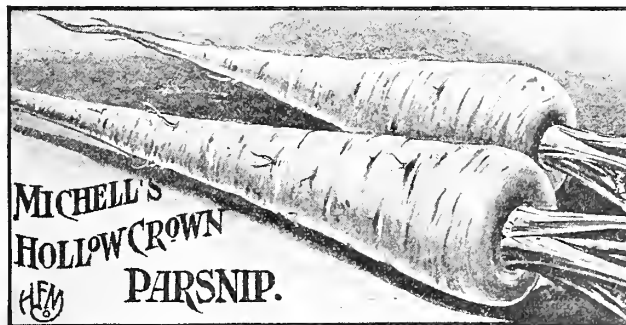


Onion, Prizetaker

Prizetaker. A mammoth yellow variety; if sown thinly it produces full-size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. or more each. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.00 per $\frac{1}{4}$ lb.

White Portugal or Silver Skin. The standard white onion for market or home use; it is of very mild flavor; semi-globe shaped and very uniform in growth and size. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.35 per $\frac{1}{4}$ lb.

Yellow Strasburg or Dutch. A dark straw color skinned sort; almost flat in shape, but a large onion. Its fine keeping qualities is what recommends itself to the home, as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets, more of this variety is sold than any other. One of the best winter keepers. Pkt., 10c.; 20c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.00 per $\frac{1}{4}$ lb.



PARSNIP

Panais (Fr.); Pastinake (Ger.); Pastinaca (Ital.).

One ounce will sow a row 150 feet long; 5 lbs. per acre.

Sow early in the spring in drills about 24 inches apart, covering the seed slightly; when the plants are 2 or 3 inches high, thin out so the roots will develop; cultivate well during the growing season.

Improved Sugar or Hollow Crown. A very thick, broad-topped root, which makes it lift easily. Flesh is very fine grained and sweet, while the outer surface is smooth and almost white. It yields enormous crops. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.



Pois (Fr.); Erbsen (Ger.); Pisello (Ital.) 2 lbs. will plant 100 ft. of row; 90 to 120 lbs. per acre.

The smooth-seeded varieties may be sown as soon as the ground can be worked; the wrinkled sorts when the ground has become warmer. The distance apart for planting depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and a final planting again about August 15th. For the last planting use the dwarf early varieties.

If Peas are wanted Parcel Post, add for postage as follows: 10c. for ½ lb.; 10c. for 1 lb.; 15c. for 2 lbs.; 20c. for 5 lbs.; 30c. for 10 lbs.; larger quantities by express or freight.

EXTRA EARLY VARIETIES

Alaska. Smooth seeded; very early; height 2½ feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.40 per 5 lbs.; 10 lbs., \$2.50; \$5.50 per 25 lbs.

Dandy Extra Early. A selection of the Eureka, but far superior; smooth seeded; very prolific and desirable for the kitchen and market garden; height, 24 inches. Pkt., 10c.; 25c. per ½ lb.; 40c. per lb.; 2 lbs., 75c.; \$1.40 per 5 lbs.; 10 lbs., \$2.50; \$5.50 per 25 lbs.

Early June. A green seeded, smooth pea, desirable for first planting; height, 2½ feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.40 per 5 lbs.; 10 lbs., \$2.50; \$5.50 per 25 lbs.

Early Morn. One of the earliest wrinkled peas. Pods large and well filled; very prolific; height, 3 feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.55 per 5 lbs.; 10 lbs., \$2.80; \$6.25 per 25 lbs.

Early 8 Weeks. A wrinkled variety, growing 12 to 15 inches high and commencing to bear 6½ weeks after planting; a heavy cropper and especially desirable where room is scarce. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.70 per 5 lbs.; 10 lbs., \$3.10; \$7.00 per 25 lbs.

Gradus or Prosperity. Never was there a pea offered which is so largely demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36 inches. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.60 per 5 lbs.; 10 lbs., \$2.90; \$6.50 per 25 lbs.

Laxtonian. An extra fine early, dwarf sort; pods are large and well filled with peas of extra fine quality; height, 18 inches. Pkt., 10c.; 50c. per lb.; 2 lbs., 95c.; \$1.90 per 5 lbs.; 10 lbs., \$3.50; \$8.00 per 25 lbs.

Little Marvel. Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.60 per 5 lbs.; 10 lbs., \$2.90; \$6.50 per 25 lbs.

Mitchell's Special Extra Early. Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender; a grand yielder; height, 24 inches. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.55 per 5 lbs.; 10 lbs., \$2.80; \$6.25 per 25 lbs.

Nott's Excelsior (Improved Strain). A splendid early wrinkled pea, producing heavy crops of full pods very early. Height, 15 inches. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.60 per 5 lbs.; 10 lbs., \$2.90; \$6.50 per 25 lbs.

Sutton's Excelsior. This wrinkled variety is quite hardy and can be planted earlier than most other wrinkled sorts; very early. It grows about 16 inches high; long, broad pods, well filled. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.60 per 5 lbs.; 10 lbs., \$2.90; \$6.50 per 25 lbs.

The Pilot or Leader. The earliest of round-seeded varieties. The pods and peas are nearly as large as those of Gradus. It can be planted, of course, much earlier. The vines are of vigorous growth, 3 feet high and produce an abundance of pods. The peas are of finest flavor. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.60 per 5 lbs.; 10 lbs., \$2.90; \$6.50 per 25 lbs.

Thos. Laxton. Heavy producer; wrinkled, exceedingly early; pods are large and filled with large peas of excellent flavor. Its heavy cropping qualities make it suitable for an early crop in the private garden; height 36 inches. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.65 per 5 lbs.; 10 lbs., \$3.00; \$6.75 per 25 lbs.

SECOND EARLY VARIETIES

Bliss Abundance. Produces very large pods containing six and even more peas of a delicious flavor; wrinkled; height, 20 inches. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.30 per 5 lbs.; 10 lbs., \$2.30; \$5.00 per 25 lbs.

Daisy or Dwarf Telephone. One of the best medium early sorts; large pods, wrinkled and very sweet; height, 18 inches. Pkt., 10c.; 45c. per lb.; 2 lbs., 85c.; \$1.65 per 5 lbs.; 10 lbs., \$3.00; \$6.75 per 25 lbs.

Potlatch. A wrinkled variety, similar to Daisy; sweet; pods well filled with peas; height, 18 inches. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.65 per 5 lbs.; 10 lbs., \$3.00; \$6.75 per 25 lbs.

GENERAL OR LATER CROP VARIETIES

Champion of England. A very tall, rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.50 per 5 lbs.; 10 lbs., \$2.70; \$6.00 per 25 lbs.

***Dwarf Champion.** Possesses most all the good qualities of the famous Champion of England, and has the further advantage of being dwarf; a very delicious pea which should be planted extensively; height, 2 feet. Pkt., 10c.; 25c. per ½ lb.; lb., 40c.; 75c. per 2 lbs.; 5 lbs., \$1.60; \$2.90 per 10 lbs.; 25 lbs., \$6.50.

Long Island Mammoth. A very large podded semi-wrinkled variety; a great favorite with the market gardener; heavy yielder; height about 2½ feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.55 per 5 lbs.; 10 lbs., \$2.80; \$6.25 per 25 lbs.

Telephone (Tall). The finest late wrinkled pea grown; exceedingly sweet; an abundant producer; height, 3½ feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.60 per 5 lbs.; 10 lbs., \$2.90; \$6.50 per 25 lbs.

Yankee Prince. A large podded wrinkled sort; heavy yielder; pods often measure 6 inches in length and well filled with large peas of delicious flavor; height, 4 feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.60 per 5 lbs.; 10 lbs., \$2.90; \$6.50 per 25 lbs.

SUGAR OR EDIBLE POD PEAS

This type produces large, well-filled pods. They are cooked with the peas intact; very tender and exceedingly sweet.

Dwarf Gray Sugar. Gray seed; height, 2 feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.55 per 5 lbs.; 10 lbs., \$2.80; \$6.25 per 25 lbs.

Tall Luscious Sugar. Gray seed; height, 4 feet. Pkt., 10c.; 40c. per lb.; 2 lbs., 75c.; \$1.75 per 5 lbs.; 10 lbs., \$3.20; \$7.50 per 25 lbs.

PRIZE COLLECTION

The best selection of Garden Peas, which will give a continuous supply.

Dandy Extra Early

Little Marvel

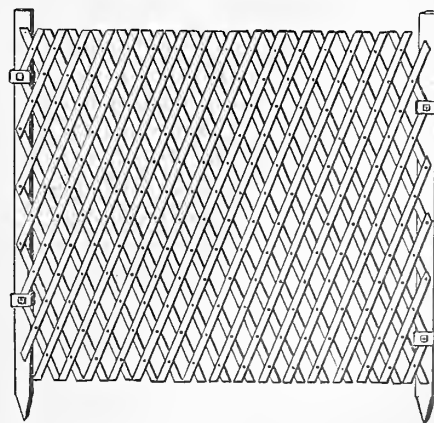
Dwarf Champion

What is more enjoyable than a fine dish of luscious peas, picked fresh from your own garden. The above varieties should be sown at one time, as soon as all danger of freezing is over; a second sowing may be made not later than May 1st. Specially priced.

1 Pkt. each, \$0.25 } Postpaid.
1 Lb. each, 1.00 }

No. 1—MANIFOLD PEA TRELLIS (Wood)

Ideal for Sweet Peas and Garden Peas supports. When fully opened it makes a trellis 19 ft. long and this is varied according to the height of the plants it is to support. Positively the best of its kind that has ever come to our notice. It can be set up in 5 minutes, taken down in less and folds so that it occupies a very small space. Complete and ready to put up; stained green. Each, \$4.00; doz., \$46.00.



NITROGEN BACTERIA FOR PEAS

See page 84.

MICHELL'S VEGETABLE SEEDS

PEPPER

Piment (Fr.); Pfeffer (Ger.); Peperone (Ital.).

One ounce produces about 1200 plants.

Sow the seed in a hotbed or window box about March 1st. Transplant to the open ground when all danger from frost is over, in rows 3 feet apart, 18 inches apart in the row.

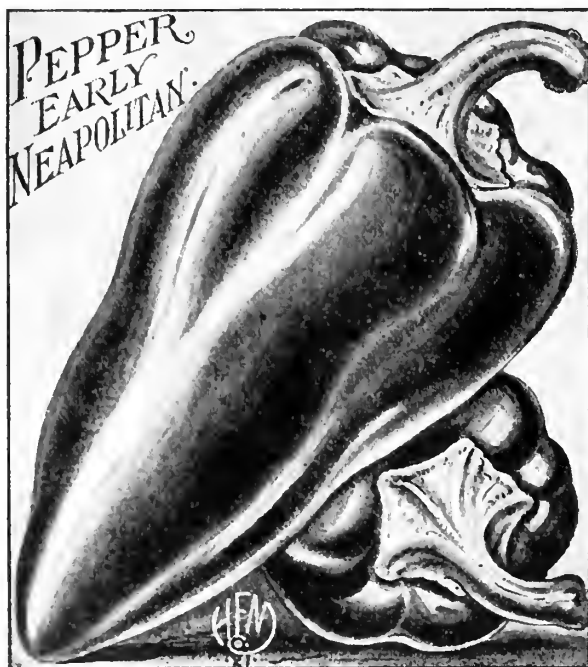
Prices quoted for Pepper seeds are postpaid.

Bell or Bull Nose. Very thick flesh; a great producer. The large fruits are green turning to vivid scarlet; fine for slicing on tomatoes, or stuffed as mangoes. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.

Cayenne. A long red variety; very hot and used principally for bunching with pot herbs. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 45c.; \$1.25 per $\frac{1}{4}$ lb.

Chinese Giant. A monster pepper; perfectly sweet, green fruit turning bright scarlet; matures very late; a very shy seeder. Fine for stuffed mangoes. Pkt., 10c.; 40c. per $\frac{1}{2}$ oz.; oz., 75c.; \$2.25 per $\frac{1}{4}$ lb.

Golden Dawn. A large yellow variety shaped like the Chinese Giant; very sweet. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.



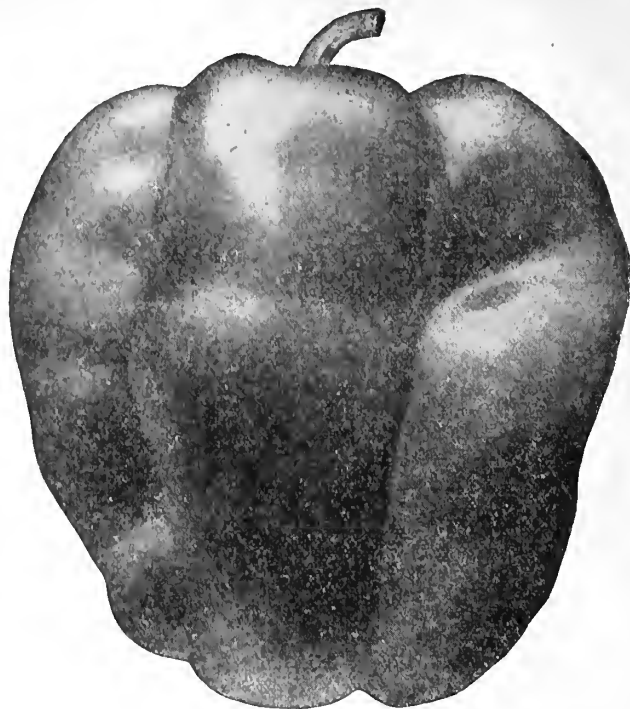
Neapolitan. Early; large size; thick meat; mild flavor; bright red when ripe. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; per oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.

Pimiento. A splendid uniformly shaped, sweet variety; green fruit changing to red when fully ripe. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.



Pepper, Red Chili

Red Chili. The small narrow red pods are very hot; principally used for seasoning. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 35c.; \$1.25 per $\frac{1}{4}$ lb.



Pepper, Ruby Giant

Ruby Giant. Very large; adapted for stuffing; mild flavor. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 45c.; \$1.40 per $\frac{1}{4}$ lb.

Ruby King. A large red variety resembling Bull Nose; grows a trifle larger. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.40 per $\frac{1}{4}$ lb.

Tomato, or Squash. Upright growth; fruit small and shaped like a tomato; mild flavor. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 40c.; \$1.25 per $\frac{1}{4}$ lb.

World Beater. This variety is very similar to Ruby Giant, in fact some claim it to be an improvement over that variety. Choice seed, grown in New Jersey. Pkt., 10c.; 25c. per $\frac{1}{2}$ oz.; oz., 45c.; \$1.40 per $\frac{1}{4}$ lb.

PEPPER PLANTS (Ready in May)

Pot-grown Plants. Per doz., \$1.00; \$7.00 per 100. Not available.



PEANUTS

Arachide (Fr.); Erdnuss (Ger.); Cece de terra (Ital.).

One bushel nuts unshelled will plant an acre, but shell must be removed beforehand.

It is generally believed peanuts cannot be grown anywhere north of Virginia, but this is a mistake; most any well-drained garden soil suits them, where they will yield a big crop. The peanut plant rather enriches the soil instead of impoverishing it, as it is an abundant gatherer of free nitrogen.

Selected Virginia. $\frac{1}{2}$ lb., 25c. (by P. P., 30c.); 40c. per lb. (by P. P., 50c.); 5 lbs., \$1.75.

PENNYROYAL (Herb)

Pkt., 10c.; 35c. per $\frac{1}{2}$ oz.; oz., 65c.

PARSLEY

Persil (Fr.); Petersilie (Ger.); Prezzemolo (Ital.).

One ounce will sow a row 100 ft. long.

After soaking the seed for a few hours in warm water, it should be sown in rows 18 inches apart and when 2 inches high thinned out so the plants will stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is necessary.

Prices quoted for Parsley seeds are postpaid.

Champion Moss Curled. Beautifully crimped and curled. It can be cut the year round. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

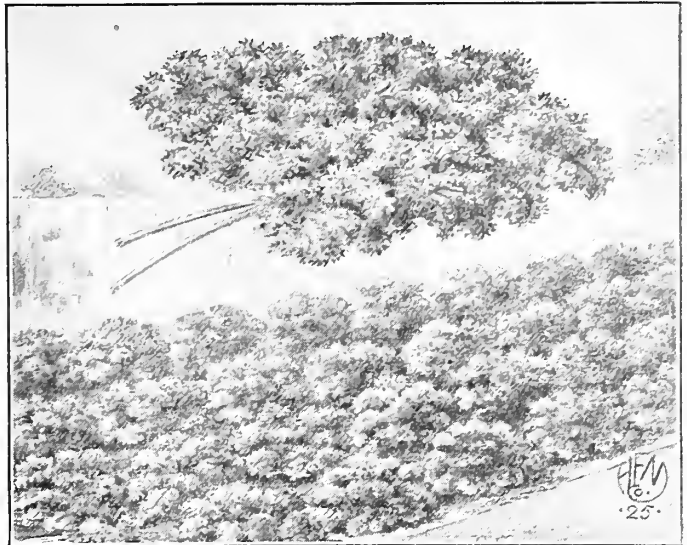
Double Curled or Covent Garden. A great improvement over all other varieties; nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Hamburg or Rooted. The fleshy roots are used for flavoring soups, stews, etc. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Plain or Single. Leaves not curled. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

PARSLEY PLANTS (Ready in April)

Large specimens; pot-grown ready for use. Per doz., \$1.00; \$7.00 per 100. Not available.



Double Curled Parsley

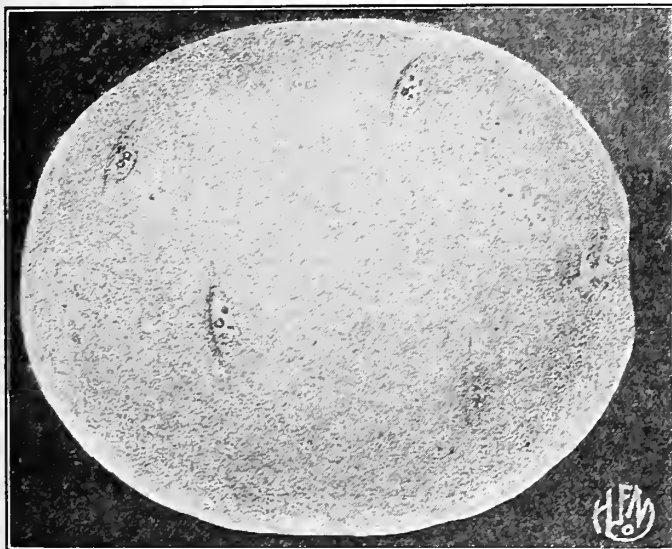
MICHELL'S MAINE-GROWN SEED POTATOES

Pomme de Terre (Fr.); Kartoffel (Ger.); Patata (Ital.).

TIME OF SHIPMENT.—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship at customer's risk any time during cold weather. Plant 12 to 14 bushels per acre.

Our Potatoes are put up in barrel sacks of 165 lbs. each. Shipment in barrels can be made at a cost of 75c. each for barrels.

Prices on Seed Potatoes are established about March 1st.



Irish Cobbler Potato

Beats Them All (Michell's). This famous variety has given the best results wherever tried, yielding more than any other early potato; quality fine; extremely early, coming in about one week or ten days earlier than Early Rose. Oblong in shape.

Dibbles Russet. A splendid late variety, claimed to be absolutely rust and blight proof; medium size; oval or flat in shape.

Early Rose (Houlton or Maine). A leading variety for earliness, quality and productiveness; pink skin; oblong shape.

Gold Coin. This potato seems to be in great demand, though by no means a new one. It is large, somewhat roundish flat and a wonderful cropper; a late maturer.

Green Mountain. An excellent general crop variety; white, roundish flat.

Irish Cobbler. A splendid sort, almost round in shape.

Jersey Red Skin. These are especially adapted for planting in light, sandy soil late in June and in early July. They are oval shaped, medium size and cook pure white.

State of Maine. An old favorite, grown by every gardener; good keeper; flat in shape.

CONCAVE POTATO KNIFE

Made of best steel with concave blade. Price, 45c. each.

POTATO SCAB DESTROYER

(Formaldehyde)



Dilute 1 quart in 25 gallons of water and soak the seed potatoes in this solution for 2 hours before cutting. They should then be taken out and dried; 25 gallons treating liquid is sufficient for approximately 15 bushels of potatoes. 85c. per pt. (cannot be sent by parcel post).

HYBRIDIZED POTATO SEED

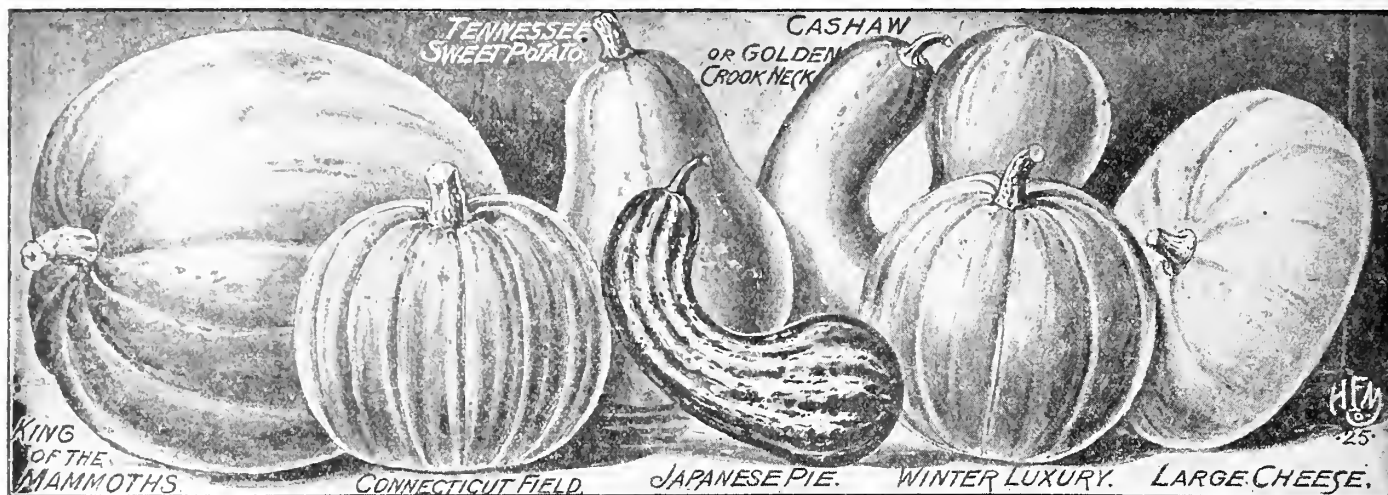
Growing new and distinct Seedling Potatoes from the seed is intensely interesting. Pkt., 15c.; 25c. for 2 pkts.

SWEET POTATO PLANTS (Ready in May)

Yellow and Red Nansemond. Per 100, \$1.00 (by parcel post, \$1.15); \$6.00 per 1000. Not less than 100 plants of a variety can be furnished.

We regret we cannot supply tubers of sweet potatoes.

MICHELL'S PUMPKINS



Potiron (Fr.); Kurbis (Ger.); Zucca (Ital.)

One ounce will plant 25 to 50 hills; 4 to 5 lbs. for an acre.

Plant any time after the ground has become permanently warm, about four seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines, they may be pinched back somewhat, and if large specimens are desired, leave but one or two pumpkins on a vine. Do not plant near other vine crops, as they may hybridize the latter and spoil the taste; they can also be planted among corn after the last working.

Connecticut, or Common Field. Shape almost round; fruits produced in great abundance; flesh coarse and suitable only for stock feeding; color light yellow. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.00 per lb.

Japanese Pie. A crook-necked variety; deep green with darker stripes, which turn to a rich golden yellow. The fruit sets and matures early. The name given to it is derived from the seed, which is curiously marked like Japanese letters of the alphabet. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

King of the Mammoths. This variety grows to an enormous size; orange-salmon skin, bright yellow flesh, fine grained and of excellent quality for pies. Pkt., 10c.; 20c. per oz.; 50c. per $\frac{1}{4}$ lb.; lb., \$1.75.

NOTE—All seeds on this page sent postpaid at quoted prices.

Large Cheese. A very large, flat-ribbed fruit, of a beautiful, buff yellow color; the interior is of fine quality. An enormous producer; ideal for market, home gardens and canning purposes. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.25 per lb.

Mammoth Cashaw or Golden Crook Neck. A crook-neck variety; very meaty; suitable for pie or stock feeding purposes; flesh golden yellow and very tender. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Tennessee Sweet Potato. An oblong-shaped, medium-sized fruit, with a very light buff yellow skin. For pies it is delicious while for cooking for table use it is dry and tasty, resembling the flavor of mashed sweet potatoes. Pkt., 10c.; 15c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.25 per lb.

Winter Luxury. Known as the New England pie pumpkin. No Thanksgiving dinner is complete without the palatable pumpkin pie made from this variety. This is also used for making Jack-o-Lanterns, for which purpose it is well suited, on account of its very round and symmetrical shape. The skin is a russet yellow, while the flesh is golden orange when ripe. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

RHUBARB

Rhubarbe (Fr.); Rhabarber (Ger.); Rabarbaro (Ital.)

One ounce will sow a row 125 feet long.

Seed should be sown early in the spring in shallow drills 1 foot apart; thin out to stand 4 to 5 inches apart in the row. In the fall or following spring the roots should be transplanted into permanent beds and placed 3 feet apart each way; the year following that, or two years after sowing the seed, the rhubarb may be used. Do not cut rhubarb, pull it so that it comes out whole from the crown. Roots may be planted in October or in the Spring up to May 15th.

Victoria. Immense long stalks of a cherry-red color; a most popular variety. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 60c.

RHUBARB ROOTS

Victoria Extra Strong Roots. 3 for 60c. (by parcel post, 75c.); \$2.00 per doz. (by parcel post, \$2.35); per 100, \$12.00.

RUTA BAGA

Ruta Bagas should be sown in drills about 30 inches apart and when 3 inches high, thinned out. Sow seed from July 15th to August 1st; if sown too early they develop long instead of round roots. See also page 81.

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.00 per lb.; 5 lbs., \$4.75.



Rhubarb

ALL PRICES SUBJECT TO MARKET CHANGES

(on)

CELESTIAL

WHITE
STRASSBURG

ICICLE

LONG
SCARLET

CHINA
ROSE

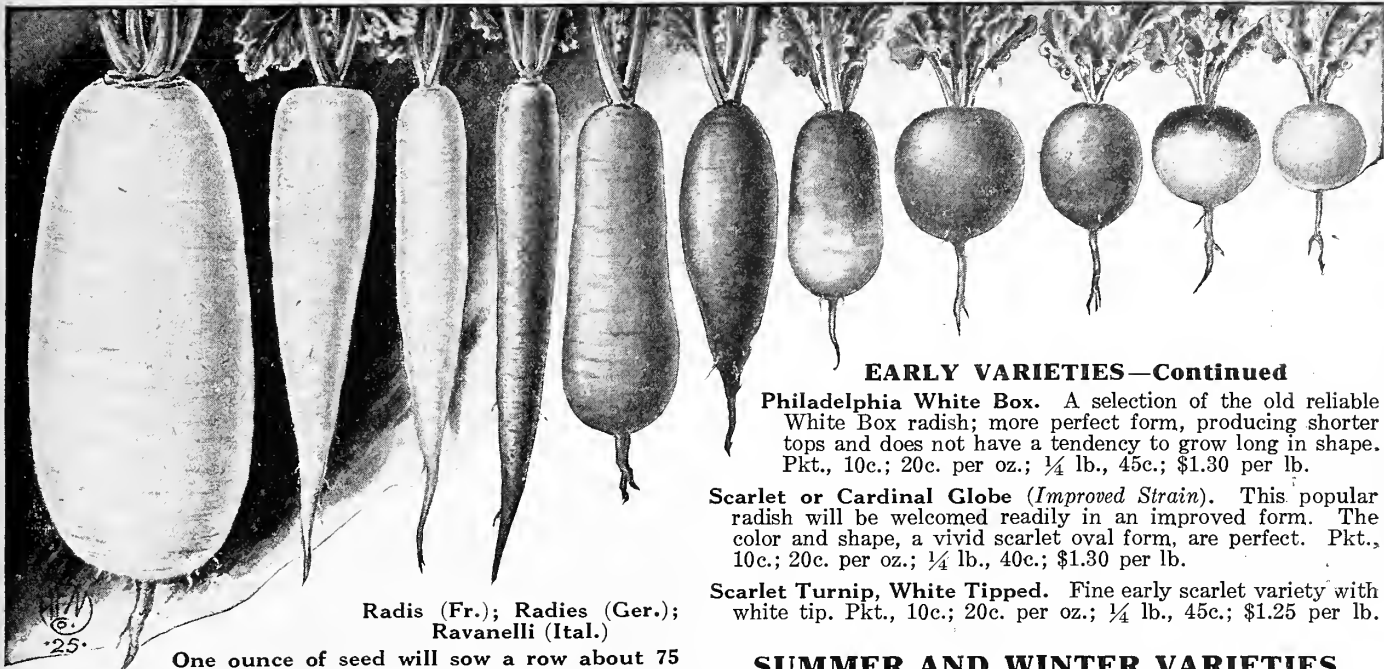
LONG BLACK
SPANISH

FRENCH
BREAKFAST

CRIMSON
GIANT

EARLY
SCARLET
GLOBE

SCARLET
TURNIP
WHITE TIPPED

WHITE
BOX


Radis (Fr.); Radies (Ger.);
Ravanelli (Ital.)

One ounce of seed will sow a row about 75
feet long; 8 to 10 lbs. are required for an acre.

Radishes should be sown in good rich ground, where they can
make rapid growth, for then only do they produce the best results.
Early sowings can be made as soon as frost is out of the ground.
The winter radishes are sown in July and are developed by autumn,
at which time they may be taken up and stored in a cool cellar
and covered with sand.

EARLY VARIETIES

Crimson Giant. Early; globe shaped and of large size; crisp,
solid flesh; remains a long time without getting pithy. Pkt.,
10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

Early French Breakfast. Oblong shape; rapid grower; very
mild and tender; of a beautiful scarlet color, tipped with white;
good for open ground or forcing. Pkt., 10c.; 20c. per oz.;
 $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Early Scarlet Globe (Special Forcing). A popular variety for
hotbed or greenhouse forcing; also valuable for outdoor plant-
ing; very early, crisp and mild; may be pulled in 25 days from
sowing the seed. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25
per lb.

Icicle (Improved Strain). A magnificent white variety of fine
taste; grows $3\frac{1}{2}$ to 4 in. long in 22 days. Valuable for forcing
as well as for open ground. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.;
\$1.25 per lb.

Long Scarlet Short Top. A favorite variety; long, bright
scarlet with small top; excellent quality. Pkt., 10c.; 20c.
per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Round Red Forcing, or Button. One of the earliest varieties,
maturing very quickly; splendid for hotbed or garden culture;
flesh white, mild and tender. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb.,
40c.; \$1.30 per lb.

All seeds on this page mailed post free at prices quoted.

EARLY VARIETIES—Continued

Philadelphia White Box. A selection of the old reliable
White Box radish; more perfect form, producing shorter
tops and does not have a tendency to grow long in shape.
Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.30 per lb.

Scarlet or Cardinal Globe (Improved Strain). This popular
radish will be welcomed readily in an improved form. The
color and shape, a vivid scarlet oval form, are perfect. Pkt.,
10c.; 20c. per oz.; $\frac{1}{4}$ lb., 40c.; \$1.30 per lb.

Scarlet Turnip, White Tipped. Fine early scarlet variety with
white tip. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

SUMMER AND WINTER VARIETIES

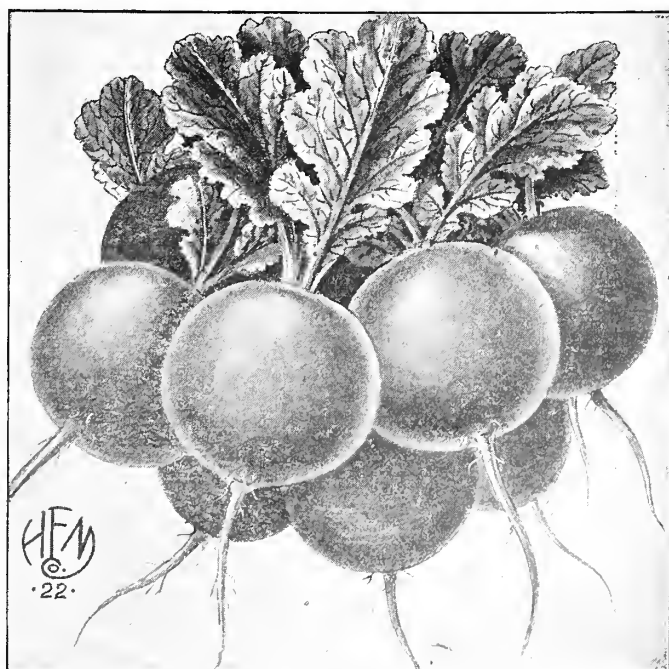
Celestial, or White Chinese. Large size; pure white; excellent
keeper. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

China Rose. Bright rose color; flesh firm; one of the best for
winter use. Half-long in shape with a scarlet blunt tip. Pkt.,
10c.; 20c. per oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

Long Black Spanish. Of large size; skin black, flesh white;
very firm. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 50c.; \$1.50 per lb.

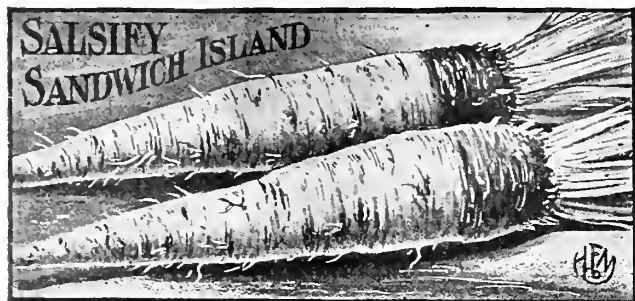
White Strasburg. Oblong; of a pure white color and mild
flavor; a splendid variety for summer. Pkt., 10c.; 20c. per
oz.; $\frac{1}{4}$ lb., 45c.; \$1.25 per lb.

RHUBARB (See page 76.)



Radish, Round Red Forcing or Button

MICHELL'S VEGETABLE SEEDS



SALSIFY (Oyster Plant)

Salsifs (Fr.); Hafer Wurzel (Ger.); Salsefia (Ital.)

One ounce of seed to 50 feet of drill; 10 lbs. per acre.

Sow in early spring, in drills fifteen inches apart and one to two inches deep; when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the finest vegetables stewed and served with a cream dressing.

Mammoth Sandwich Island. This variety is of enormous size, twice as large as the ordinary white variety; very tender and delicious. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.50 per lb.

SHALLOTS (French Flavoring Onions)

(See page 70.)

VARIOUS HERBS

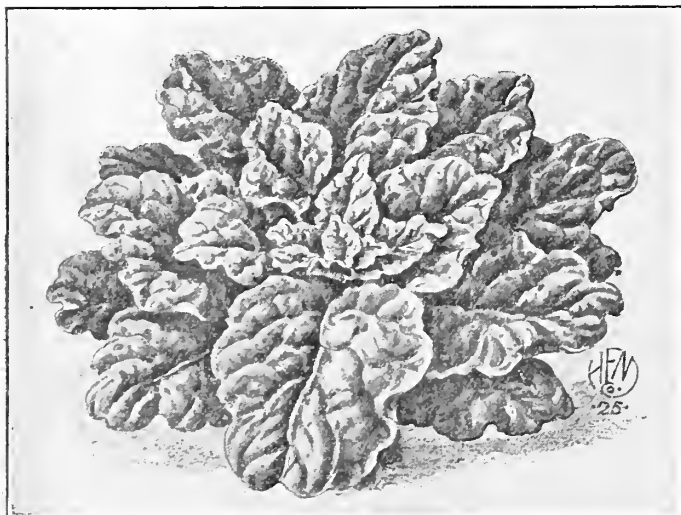
Partial list, in alphabetical order. For complete, condensed, list see page 81.

	Pkt.	$\frac{1}{2}$ oz.	Oz.
Rosemary.....	\$0.10	\$0.30	\$0.50
Saffron.....	.10		.25
Sage.....	.10		.35
Summer Savory.....	.10		.30
Sweet Basil.....	.10		.20
Sweet Marjoram.....	.10		.30

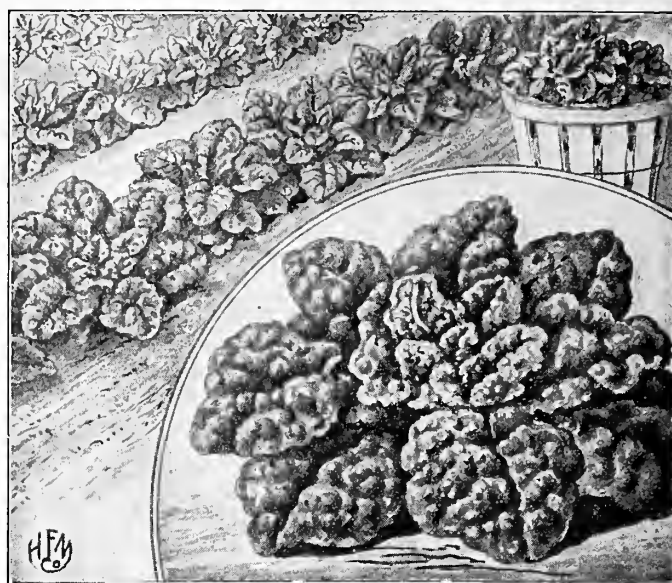
SORREL

Oseille (Fr.); Sauerampfer (Ger.); Acetosa (Ital.).

Relished principally by the French people, who use it as a spinach dressing, also as a salad; has an acid flavor. Sow seed in the spring in good light soil in shallow drills 1 foot apart; thin out to 4 inches apart in the row. The seed stalks should be cut off when they appear. Pkt., 10c.; 15c. per oz.; 35c. per $\frac{1}{4}$ lb.



Spinach, King of Denmark



Spinach, Michell's Improved Strain Bloomsdale

SPINACH

Epinaud (Fr.); Spinar (Ger.); Spinaccio (Ital.)

One ounce will sow a row about 75 feet long; 10 to 12 pounds are required for an acre.

Sow for spring use, in drills one foot apart (covering the seed about one-half inch) as early as the ground can be worked and continue to sow every two weeks till May 15th. Spinach seed seldom germinates during June, July or August, so we do not recommend sowing again until September, which is the season to provide an early winter and spring crop. On the approach of cold weather cover with long manure, salt hay, straw or other suitable litter. Spinach can also be grown successfully under hotbed sash.

Bloomsdale Round Seeded Savoy (Improved Strain). Extra dark green leaves. The hardiest variety; curled and crimped, thick, fleshy leaves; the best for early spring and fall sowing. Oz., 10c.; 20c. per $\frac{1}{4}$ lb.; per lb., 55c.; \$2.50 for 5 lbs.; 10 lbs., \$4.50.

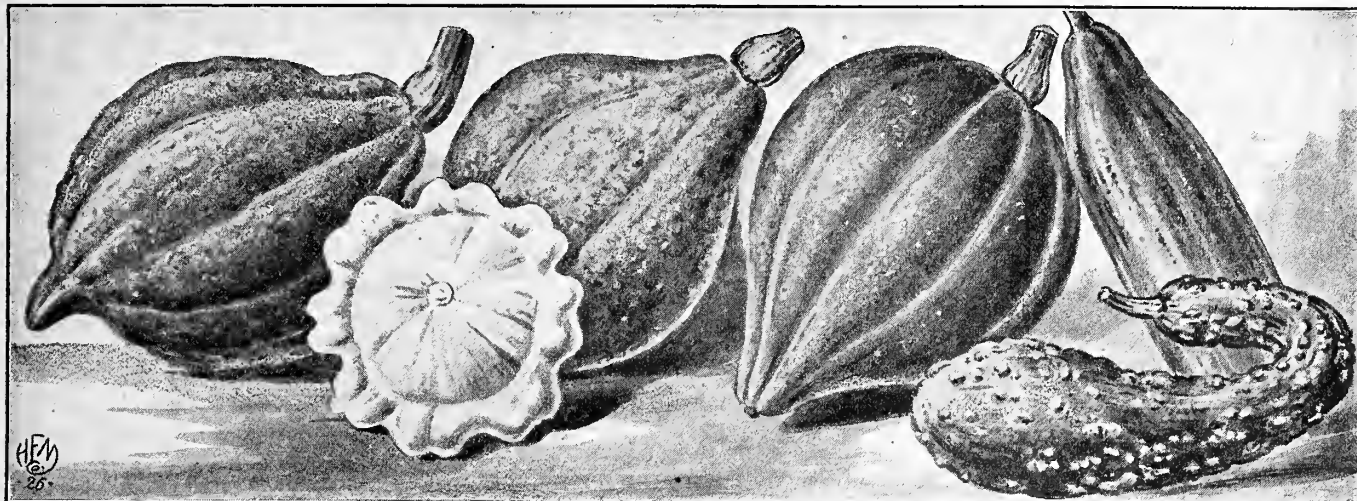
King of Denmark. A new and remarkable variety, stands a long while without running to seed; large yielder and of excellent quality. The leaves are large, rounded, slightly blistered, and deep green. 15c. per oz.; $\frac{1}{4}$ lb., 25c.; 60c. per lb.; 5 lbs., \$2.75; \$5.00 per 10 lbs.

Long Season. A cross between the Bloomsdale and the Victoria Long Standing. It produces tremendously large plants and leaves, which are strong, robust and crinkled; will resist a great deal of heat without shooting to seed. Color, a beautiful dark green. 10c. per oz.; $\frac{1}{4}$ lb., 20c.; 55c. per lb.; 5 lbs. for \$2.50; \$4.50 per 10 lbs.

Market Gardeners. This new variety is the highest perfection of the Spinach family, being a decided improvement on all other kinds. The leaves are broad, heavy and of a dark green, glossy color, very heavily blistered compared to Long Season; it will stand a week or ten days longer without shooting to seed, than any other variety we know of, which is an important factor. The plants are large and strong, requiring a less number of plants to fill a basket than any other variety. A trial will convince you of the tenderness and superior quality of this variety. 15c. per oz.; $\frac{1}{4}$ lb., 30c.; 75c. per lb.; 5 lbs. \$3.25; \$5.50 per 10 lbs.

New Zealand. This variety endures heat and drought; excellent for summer use; leaves are small and thick. It is a heavy yielder, growing upright; one sowing can be picked from throughout the entire summer. A very distinct variety. In order to get a successful germination of the seed, it should be soaked in warm water for about 12 hours before sowing. Do not confuse this variety with other sorts, as the seed should be sown about May 15th. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 35c.; \$1.25 per lb.; 5 lbs., \$5.75.

All seeds on this page mailed post free at prices quoted



True Hubbard Mammoth White Bush. Boston Marrow.

Delicious. Giant Yellow Crookneck. Cocozelle.

SQUASH

Courge (Fr.); Kurbis (Ger.); Zucca (Ital.)

One ounce will plant 20 to 50 hills, 3 to 4 lbs. for one acre.

This vegetable is a popular one for summer and winter use and being susceptible to cold it should not be planted until the ground is thoroughly warm. The bush sorts should be planted in hills 4 to 5 feet apart each way; the running varieties 8 to 12 feet apart. Place 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill.

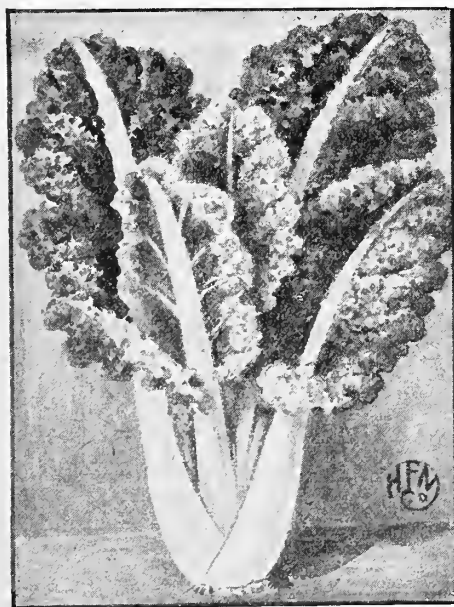
SUMMER VARIETIES

Cocozelle or Italian. This is a bush variety with long, smooth fruits, dark green, striped a lighter color; elegant for slicing and frying as you do egg plant. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

Giant Yellow Summer Crookneck. Shaped like a club with a bent neck. The skin is very rough and warted, and of an orange yellow color. Much preferred on account of its very dry meat when boiled. This is a running variety. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Large Yellow Bush. This is an improvement on the Golden Custard variety; at least 4 to 5 days earlier and of much finer quality; of scalloped type, beautiful creamy color, ready for the table in about 55 days. Pkt., 10c.; 20c. per oz.; ¼ lb., 40c.; \$1.30 per lb.

Mammoth White Bush. Of round scalloped form with an ivory white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific. Pkt., 10c.; 20c. per oz.; ¼ lb., 45c.; \$1.60 per lb.



Giant Lucullus Swiss Chard

FALL AND WINTER VARIETIES (Running Sorts)

Blue Hubbard. A new variety and a selection from the original Hubbard. The fruit is of a gray blue color; grows large, is a remarkably good keeper and of excellent quality. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

Boston Marrow. Shaped similar to Hubbard; color, golden orange; fine for canning for winter use, cooked as a vegetable or in pie. Pkt., 10c.; 20c. per oz.; ¼ lb., 40c.; \$1.30 per lb.

Delicious. Well named, as it has the finest flavor of any squash; of oblong shape, with a deep green skin and thin rind, and with a seed cavity so small that it almost meets in the center. One of the best winter keepers; when matured it weighs from 5 to 10 lbs. and is in its prime during the early winter; one of the very best. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.65 per lb.

Golden Hubbard. Used extensively for pie, but served as a vegetable, it is very dry and delicious; outside deep orange red; very tender. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

Hubbard (True). Fruits large, olive-shaped, with dark green skin and rich flesh; fine quality; excellent keeper. Pkt., 10c.; 20c. per oz.; ¼ lb., 50c.; \$1.75 per lb.

Vegetable Marrow. A long, greenish white variety; fine for cooking; sweet and tender. A favorite squash with the English people. Pkt., 10c.; 20c. per oz.; ¼ lb., 40c.; \$1.30 per lb.

SWISS CHARD (Spinach Beet)

Poireau (Fr.); Mangold Kohl (Ger.); Bieta (Ital.)

1 oz. will sow a row about 50 feet long.

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground, large leaves with broad ribs grow from the center of the plant; the outer leaves only should be carefully pulled from the plant and the foliage part separated from the rib in preparing to cook. The former when cooked is served like spinach, which it resembles in taste; the ribs when boiled and served with melted butter are the equal of finest asparagus. When hard frosts strike the plants down they can be taken up and placed in a cool cellar; the roots may be carried over this way with an occasional watering and if planted in a hotbed about March 1st they will produce early spring greens.

Giant Lucullus. Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.25 per lb.

TARRAGON

Fine for flavoring. Pot-grown plants, 3 for \$1.00 (by parcel post, \$1.20); \$2.50 per doz. (by parcel post, \$2.85); per 100, \$15.00.

THYME (Herb)

Seed. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.

THYME PLANTS

Pot grown. 3 for 60c. (by parcel post, 75c.); \$1.50 per doz. (by parcel post, \$1.75); per 100, \$10.00.

TOBACCO

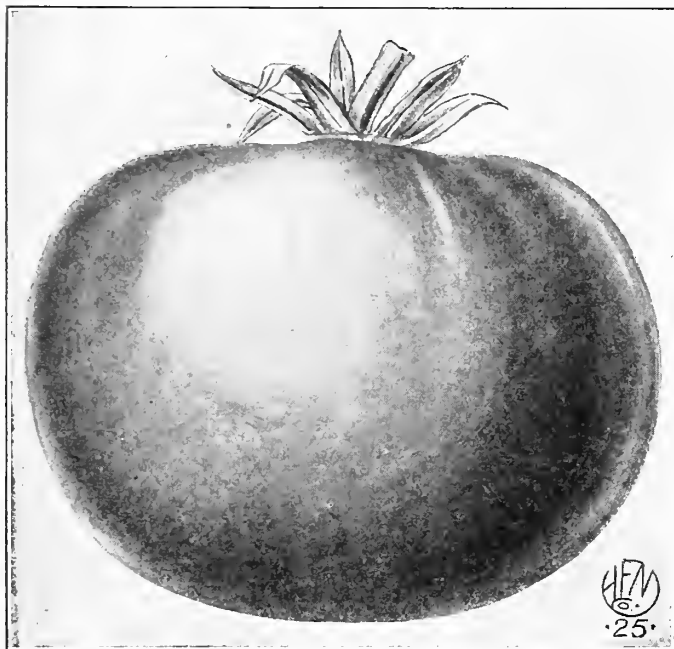
Many people like to have a few plants of this in the garden, it attracts butterflies. The flower is very sweet scented, while the leaves may be dried, cured and made into smoking tobacco and cigars. Sow in a box indoors and set outdoors in May. Pkt. ½ oz. Oz.

Connecticut Seed Leaf.....	\$0.10	\$0.25	\$0.40
Havana.....	.10	.25	.40
Pennsylvania Seed Leaf.....	.10	.25	.40

MICHELL'S SELECT TOMATO SEED

Pomme d'Amour (Fr.); Liebsapfel (Ger.); Pomo d'oro (Ital.)
One ounce will produce 3500 plants; ¼ lb. will provide enough plants for an acre.

Sow in the house or hotbed about March 1st, transplant when 3 inches high and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row, or in hills 4 feet apart each way. Properly grown tomato plants should be supported. **Note.**—All seeds on this page mailed postpaid at prices quoted.



Tomato, Earliana (Penn State)

- Beauty.** One of the largest purplish pink tomatoes; solid and meaty. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.35 per ¼ lb.
- Bonny Best.** One of the most prolific of early tomatoes. The size is not so large, but it is very solid and evenly formed; color, bright red. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.10 per ¼ lb.
- Chalk's Early Jewel.** Extra early; bright red; fine flavor; very productive. 10c. per pkt.; ½ oz., 20c.; 35c. per oz.; ¼ lb., \$1.10.
- Crackerjack (Michell's).** This is one of the best early tomatoes for the home garden, its productiveness being wonderful; quite free from acid and of a convenient size. Color, rich red and produced in clusters. Be sure and try it if you have not already done so. Pkt., 10c.; 35c. per ½ oz.; oz., 60c.; \$2.00 per ¼ lb.
- Crimson Cushion.** This is similar to the old time variety, Beefsteak, which name we have discontinued in favor of the Crimson Cushion. A vigorous grower, producing large red, solid fruits, suitable for slicing or canning; a large meaty tomato with but few seeds. See illustration on page 50: Pkt., 15c.; 40c. per ½ oz.; oz., 75c.; \$2.50 per ¼ lb.
- Early Detroit.** A productive, early purple sort; large and smooth. Pkt., 10c.; 25c. per ½ oz.; oz., 40c.; \$1.35 per ¼ lb.
- Dwarf Champion.** A distinct type; the plant looks like a miniature tree; very dwarf and compact; red with a purplish cast; very solid; late maturer. Pkt., 10c.; 30c. per ½ oz.; oz., 50c.; \$1.65 per ¼ lb.
- Dwarf Stone.** A dwarf, compact growing plant, yielding a large crop of medium-sized, very solid tomatoes. Color, bright red. The plant is very distinct and upright; late cropper. Pkt., 10c.; 30c. per ½ oz.; oz., 50c.; \$1.65 per ¼ lb.

- Earliana (Penn State).** Great improvement on ordinary variety of Earliana, one of the earliest bright red varieties; compact in growth, good yielder, fruit solid, uniform and of excellent quality. Pkt., 10c.; 35c. per ½ oz.; oz., 60c.; \$2.00 per ¼ lb.
- Golden Ponderosa.** The best large golden yellow variety; early, smooth and of excellent quality; similar in shape to the regular Ponderosa. Pkt., 15c.; 40c. per ½ oz.; oz., 75c.; \$2.50 per ¼ lb.
- Golden Queen.** Large yellow fruit; very sweet, almost free from acid; splendid for preserving or for slicing; to those who generally (on account of acidity) do not eat tomatoes, we can recommend this variety. Pkt., 10c.; 35c. per ½ oz.; per oz., 60c.; \$2.00 per ¼ lb.
- Greater Baltimore.** A main crop variety; fruit large and of a brilliant red color; ripens evenly to the stem. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; \$1.00 per ¼ lb.
- John Baer.** This variety is growing in favor each year; the plants are of strong, vigorous growth, producing fruit in clusters, of good size, a beautiful red in color and nearly round in shape; one of the best second early varieties to follow our Penn State Earliana. Our stock is exceptionally fine. Pkt., 10c.; 25c. per ½ oz.; oz., 45c.; \$1.25 per ¼ lb.
- June Pink.** A large pink variety; the purplish red flesh is solid and of fine texture. Pkt., 10c.; 30c. per ½ oz.; oz., 45c.; \$1.50 per ¼ lb.
- Livingston's Globe.** Especially adapted to slicing; very solid; a purplish red color and of true globe type; well adapted for southern planting. Pkt., 10c.; 30c. per ½ oz.; per oz., 50c.; \$1.75 per ¼ lb.
- Marglobe (New).** This new variety should be in every garden; we are offering this new and excellent variety for the first time. The Marglobe originated with the U. S. Dept. of Agriculture by crossing the Marvel and Globe varieties, hence the name; it has retained the good characteristics of its parent Marvel which was found to be practically immune from the many tomato diseases and the Globe in quality and productiveness; color, a handsome scarlet, making it a suitable variety for all purposes; an excellent variety to follow our Penn State Earliana. As we have only a limited supply of seed we can offer it in packets only. 25c. per pkt.; large pkt., 50c.
- Matchless.** Large red fruit; a general crop variety. Pkt., 10c.; 30c. per ½ oz.; oz., 50c.; \$1.50 per ¼ lb.
- Ponderosa.** The largest tomato in existence; a beautiful deep pink; rather uneven at times in shape. Pkt., 10c.; 35c. per ½ oz.; per oz., 60c.; \$1.90 per ¼ lb.
- Red Rock.** One of the most solid varieties; medium early and of a brilliant red color; a fine one for the home or market garden. Pkt., 10c.; 20c. per ½ oz.; per oz., 35c.; \$1.00 per ¼ lb.
- Stone (Michell's Private Stock).** A very careful selection of the old favorite Stone. The fruits are larger, more even and produced in greater abundance. Pkt., 10c.; 30c. per ½ oz.; per oz., 45c.; \$1.50 per ¼ lb.

FORCING TOMATOES

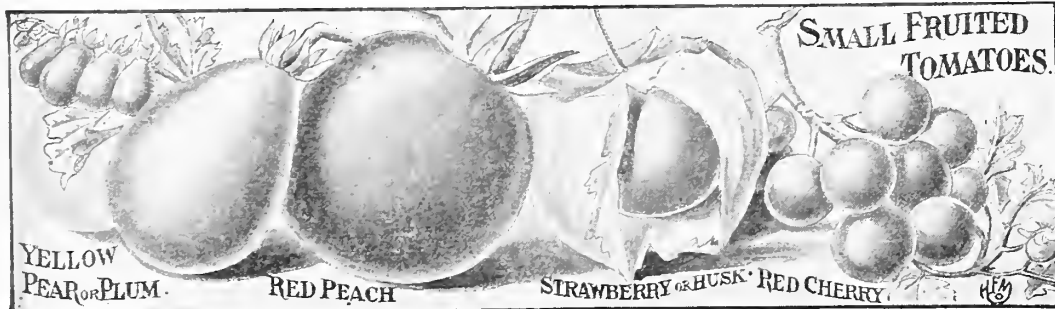
- Pkt. ½ oz. Oz. ¼ lb.
- Bides Recruit.** Medium size, bright red.....\$0.25
- Comet.** Deep scarlet; medium size.....10 \$0.35 \$0.60 \$2.00
- Sutton's Perfection**.....(Original pkt.) 1.00

SMALL FRUITED TOMATOES

- Red Cherry.** Pkt., 10c.; 35c. per ½ oz.; oz., 60c.
- Red Peach.** Pkt., 10c.; 35c. per ½ oz.; oz., 60c.
- Yellow Plum.** Pkt., 10c.; 35c. per ½ oz.; oz., 60c.
- Strawberry or Husk.** Pkt., 10c.; 35c. per ½ oz.; oz., 60c.

TOMATO PLANTS (Ready in April)

- Pot Crown.** Per doz., 75c.; \$5.00 per 100 (Not mailable).



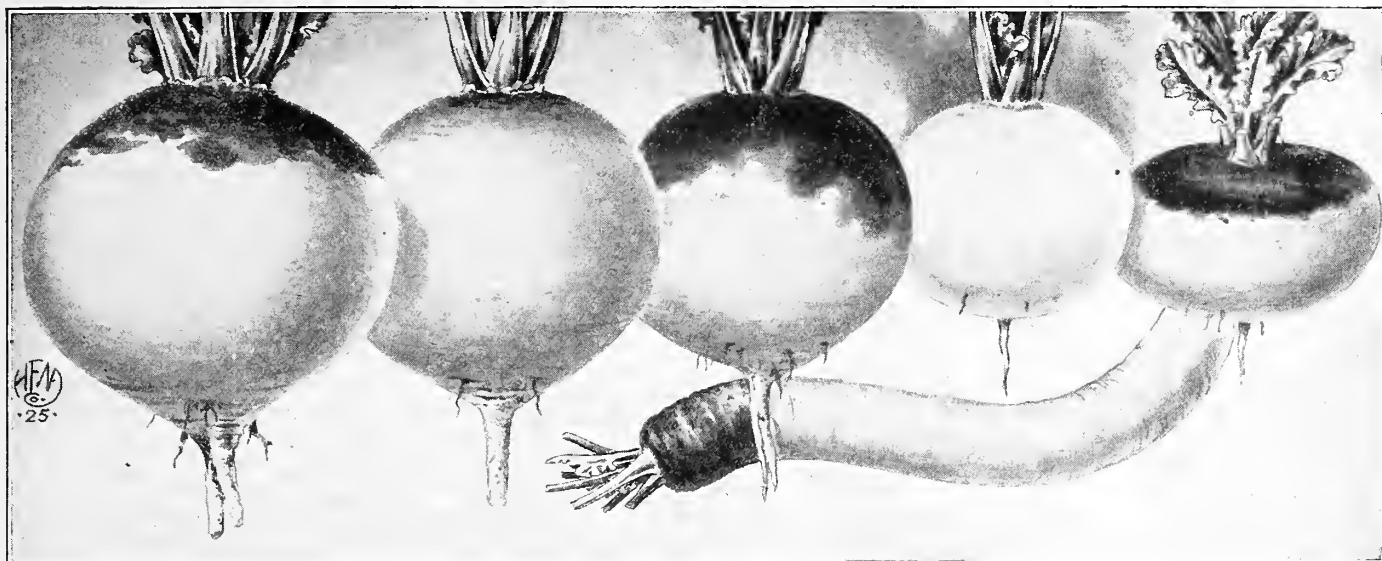
RUTA BAGA

YELLOW GLOBE

PURPLE TOP WHITE GLOBE

SNOWBALL

PURPLE TOP FLAT



COWHORN

Herbst Ruben (Ger.); Navet (Fr.); Navone, Rapa (Ital.)

One ounce of seed for 100 feet of drill; two lbs. per acre, broadcast.

For early use sow the small sorts as soon as the ground can be worked in the spring in drills 14 inches apart. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow too thickly, so the roots can develop. For fall and winter use sow broadcast from the middle of July to the middle of August.

TURNIP

Aberdeen. A globe-shaped yellow variety; a good winter keeper. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 80c. per lb.; 5 lbs., \$3.75.

Cow Horn. A long white variety. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 75c. per lb.; 5 lbs., \$3.50.

Early Purple Top Flat. One of the most popular of the early varieties; root clear white, purple top, good quality. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 75c. per lb.; 5 lbs., \$3.50.

Early White Flat Dutch (Strap Leaf). An attractive variety, producing a medium size root; very early and of fine quality. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 75c. per lb.; 5 lbs., \$3.50.

Purple Top White Globe (Private Stock). Large root, part white, purple top; a good table and market variety. Pkt., 10c.; 20c. per oz.; ¼ lb., 40c.; \$1.00 per lb.; 5 lbs., \$4.50.

Snowball. A pure white globe variety; very early. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 75c. per lb.; 5 lbs., \$3.50.

Southern Seven Top. For winter greens chiefly; extensively sown in the South. Pkt., 10c.; 20c. per oz.; ¼ lb., 40c.; \$1.25 per lb.; 5 lbs., \$5.75.

Yellow Globe or Amber. Shaped like the Purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt., 10c.; 15c. per oz.; ¼ lb., 30c.; 75c. per lb.; 5 lbs., \$3.50.

RUTA BAGA

Ruta Bagas should be sown in drills about 30 inches apart and when 3 inches high thinned out to get the greatest root development. They need to be cultivated liberally and hilled up when about 6 inches high.

Customers frequently complain that Ruta Bagas grow too long in shape, rather than in a round form. Careful inquiry has developed the fact that this is caused by sowing the seed too early.

In the locality of Philadelphia and New York the seed should be sown from July 15th to August 1st. Seed sown earlier than this invariably produces the long shaped roots with long stems.

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt., 10c.; 20c. per oz.; ¼ lb., 40c.; \$1.00 per lb.; 5 lbs., \$4.75.

NOTE—All seed offered on this page mailed free at quoted prices.



SEEDS OF CULINARY AND MEDICINAL HERBS

For winter use, they should be cut just as they come into flower, tied in bunches and hung in a light, airy place indoors, where they can be available any time.

	Pkt.	½ oz.	Oz.		Pkt.	½ oz.	Oz.		Pkt.	½ oz.	Oz.
Anise.....	\$0.10			Dill.....	\$0.10			*Sage.....	\$0.10		\$0.35
Basil, Sweet.....	.10		.20	*Fennel, Sweet.....	.10		.20	Savory, Summer.....	.10		.30
Borage.....	.10		.25	Fennel, Florence.....	.10		.20	*Savory, Winter.....	.10	\$0.25	.40
Caraway.....	.10		.20	*Lavender.....	.10		.35	*Sweet Marjoram.....	.10		.30
*Catnip.....	.25			*Mint, Peppermint.....	.25			*Thyme, Broad Leaved.....	.10	.25	.40
*Chamomile.....	.10	\$0.35	.60	*Pennyroyal.....	.10	\$0.35	.65	*Varieties are hardy or perennial,			
*Chives.....	.15	.35	.60	*Rosemary.....	.10	.30	.50	while others must be sown each			
Coriander.....	.10		.20	Saffron.....	.10		.25	season.			

ALL PRICES SUBJECT TO MARKET CHANGES

(oi)



VEGETABLE AND HERB PLANTS AND ROOTS

We have fresh supplies of this stock in daily, during the season of planting; we grow them at our own nurseries, and in extra good quality.

ARTICHOKES (Ready in April)

Green Globe. Pot Grown. \$1.50 per doz.; 25 for \$3.00; \$10.00 per 100 (by express only).
Jerusalem. Used for table and stock feeding. 20c. per lb. (by P. P., 30c.); 75c. per 5 lbs. (by P. P., 95c.); 10 lbs., \$1.20 (by P. P., \$1.50); \$2.75 per 25 lbs.; 50 lbs., \$4.50.

ASPARAGUS ROOTS

(Ready from Oct. 15th to May 15th)

The two-year-old roots usually produce two years after planting; our stock is especially fine in quality.

2 Year Old Roots	50	100	1000
Barr's Mammoth	.....\$0.75	\$1.25	\$10.00
Giant Argenteuil	.....	.75	1.25
Palmetto or Eclipse	.....	.75	1.25
Washington (Rust Proof)	.....	1.25	2.00

If above are wanted by parcel post add 10c. for 50; 15c. per 100 for postage.

BRUSSELS SPROUTS (Ready in July)

Matchless Improved (Hotbed Grown). 25 for 30c. (by P. P., 40c.); \$1.00 per 100 (by P. P., \$1.15); per 1000, \$6.50.

CABBAGE PLANTS

Early Sorts. From Hotbeds. Wakefield and All Head only. Ready April 15th. 75c. per 100 (by P. P., 90c.); per 1000, \$6.50.

Early Sorts. Cold frame plants. Ready April 1st. \$1.00 per 100 (by P. P., \$1.15); per 1000, \$8.50.

Late Sorts. Ready July 1st, in Late Flat Dutch, Danish Ball Head and Red Dutch Drumhead varieties only. Per 100, 75c. (by P. P., 90c.); \$5.50 per 1000.

CAULIFLOWER PLANTS

(Ready April 1st)

Snowball variety only. From Hotbeds. 25c. per doz. (by P. P., 35c.); per 100, \$1.75 (by P. P., \$1.90).

Snowball variety only. Pot-grown. 75c. per doz.; per 100, \$5.00. Not mailable.

CELERY PLANTS (Ready in July)

White Plume, Giant Pascal, Winter Queen and Golden Self Blanching. 75c. per 100. (by P. P., 90c.); per 1000, \$6.00.

CHIVES (Ready in April)

Strong Plants. 3 for 50c. (by P. P., 60c.); doz., \$1.50 (by P. P., \$1.70); \$10.00 per 100.

EGG PLANTS (Ready after May 15th)

Pot-grown stock only.
New York Improved and Black Beauty. Per doz., \$1.00; \$7.00 per 100. Not mailable.

HOP VINE (Hardy)

This makes a valuable shade plant, grown on arbors, trellis, etc.

Strong Pot Grown Plants. 3 for 75c. (by P. P., 90c.); doz., \$2.50 (by P. P., \$2.70); \$18.00 per 100.

HORSE RADISH ROOTS

(Ready in March)

Maliner Kren (Bohemian). Large, strong cuttings, 35c. per doz. (by P. P., 45c.); per 100, \$1.50 (by P. P., \$1.65); \$10.00 per 1000.

LAVENDER (Ready in April)

Pot-grown plants. 3 for 75c. (by P. P., 90c.); per doz., \$2.50; \$15.00 per 100.

LETTUCE PLANTS

Heading varieties; our selection only. 25 for 25c. (by P. P., 40c.); 75c. per 100 (by P. P., 95c.); per 1000, \$6.00.

MINT (Hardy) (Ready in April)

Peppermint. Pot-grown plants. 3 for 60c. (by P. P., 75c.); per doz., \$1.50 (by P. P., \$1.75); \$10.00 per 100.

Spearmint. Pot-grown plants. 3 for 60c. (by P. P., 75c.); per doz., \$1.50 (by P. P., \$1.75); \$10.00 per 100.

PARSLEY PLANTS (Ready in April)

Pot-grown. Per doz., \$1.00; \$7.00 per 100. Not mailable.

PEPPER PLANTS (Ready in May)

Bull Nose and Ruby King varieties only. Pot-grown plants. Per doz., \$1.00; \$7.00 per 100. Not mailable.

RHUBARB ROOTS

(Ready from October to May 15th)

Victoria. Extra strong roots. 3 for 60c. (by P. P., 75c.); \$2.00 per doz. (by P. P., \$2.35); per 100, \$12.00.

ROSEMARY (Perennial)

(Ready in April)

Pot-grown plants. 3 for 75c. (by P. P., 90c.); doz., \$2.50 (by P. P., \$2.75).

SAGE (Hardy) (Ready in April)

Holt's Mammoth. Pot-grown plants. 3 for 60c. (by P. P., 75c.); per doz., \$2.00 (by P. P., \$2.25); \$12.00 per 100.

SWEET POTATO PLANTS

(Ready in May)

Yellow and Red Nansemond. \$1.00 per 100 (by P. P., \$1.15); 1000, \$6.00. Not less than 100 plants of a variety can be furnished.

TARRAGON (Hardy) (Ready in April)

Hardy if given protection in winter. Pot-grown plants. 3 for \$1.00 (by P. P., \$1.20); per doz., \$2.50 (by P. P., \$2.85); \$15.00 per 100.

THYME (Hardy) (Ready in April)

English Broad Leaved. This is almost an indispensable herb. Pot-grown plants. 3 for 60c. (by P. P., 75c.); per doz., \$1.50 (by P. P., \$1.75); \$10.00 per 100.

TOMATO PLANTS

(Ready after April 15th)

Pot-grown Plants in the following varieties only; Earliana, Stone, Dwarf Stone, Ponderosa, Crackerjack. Per doz., 75c.; \$5.00 per 100. Not mailable.

SPECIAL NOTICE

We regret that it is not practicable to ship Pot Grown Plants of Cauliflower, Pepper, Parsley, Egg Plants and Tomatoes via Parcel Post.

The foliage of these plants is very soft and tender and from experience (largely because of delays in the mail service) they reach their destination in a worthless condition.

If customers desire this class of plants shipped that way, we will use the utmost care in packing but we ask that we be relieved of any blame if they arrive in an unsatisfactory condition. When plants are wanted by parcel post we believe it will be to your advantage to request "Special Delivery" in which event allow in addition to the postage charges 10c. for special delivery stamp.

NOTE—Mailing charges include packing costs and safe delivery or insurance. Also please note the smallest number or quantity of vegetable plants that can be supplied, is offered or specified here.

MICHELL'S SELECTED HAND PICKED FIELD CORN

83

Plant 8 to 10 qts. per acre in hills for shelled corn or for silo, or sow 1½ to 2 bushels broadcast for fodder.

Our strains of corn are not the common kinds usually found in abundance on the market; we give very careful attention to selected stocks in all lines of farm seeds. This is particularly true of field corn where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used, the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which means a considerable increase in production.

Champion White Pearl. An immense yielder, maturing in about 115 days; kernels deep set and snowy white; the merits of this corn are surprising.

Cloud's Early Yellow Dent. Our stock of this is grown on especially prepared ground. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about ¾ of an inch long. It delights in rich soil if the best is expected of it.

Drought Proof. Long, yellow grain, produced on long thin cobs; matures in 90 to 100 days and yields well under trying weather conditions.

Early Canada Flint (Eight Rowed). A medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled; excellent for pigeon and poultry feed.

Golden Beauty. The broad, massive golden yellow dented grains are arranged very evenly on gigantic ears. Fodder is enormous, often growing 12 feet high; matures late, but yields wonderful crops; desirable for silo and ensilage purposes.

Lancaster County Sure Crop. One of the best all-around general purpose varieties and has proved to be a most reliable and profitable corn for either husking or ensilage purposes. A rather odd variety, in that the grains have a tendency to grow on curved rows. Grows quite tall; a sure cropper, producing a big ear on every stalk, very few nubbins; will yield good crops on land that is not so fertile; ears long, cob thin; top of grain rich yellow, when shelled the grain has a reddish yellow cast; matures early; husks very easily.

Leaming Early Dent. This variety has always been used foremost by most planters of field corn in the locality of Philadelphia. Beautiful long ears of deep grained, uniform kernels. The cob when shelled is very small. The stalks grow about 7 feet high, very leafy, excellent for fodder and on the average will produce two ears to the stalk; ripens in 90 days and occasionally crops 100 bushels to the acre. Every grain is uniform and perfect.

Mellinger's Golden Queen. A high yielding variety of yellow dent noted for heavy production of both grain and silage. A hardy, resistant corn, producing a good ear on every stalk, with few nubbins. Ears large, showy; rows straight, butts and tips well filled. Grains square cut, moderate in depth, with uniform dimpled dent, easily distinguishing it from other varieties. Fodder heavy and leafy, 10 to 12 ft. tall; on fertile soil capable of yielding 90 bushels shelled corn or 20 tons silage per acre. Season two or three days shorter than Cloud's Yellow Dent. **Price,** 25c. per qt. (by parcel post, 35c.); 4 qts., 90c. (by parcel post, \$1.10); \$1.50 per peck (by parcel post, \$1.85); per bushel, \$5.00.

Reid's Yellow Dent. A splendid late variety with an average record of 100 bushels per acre; small cob, deep bright yellow grain.

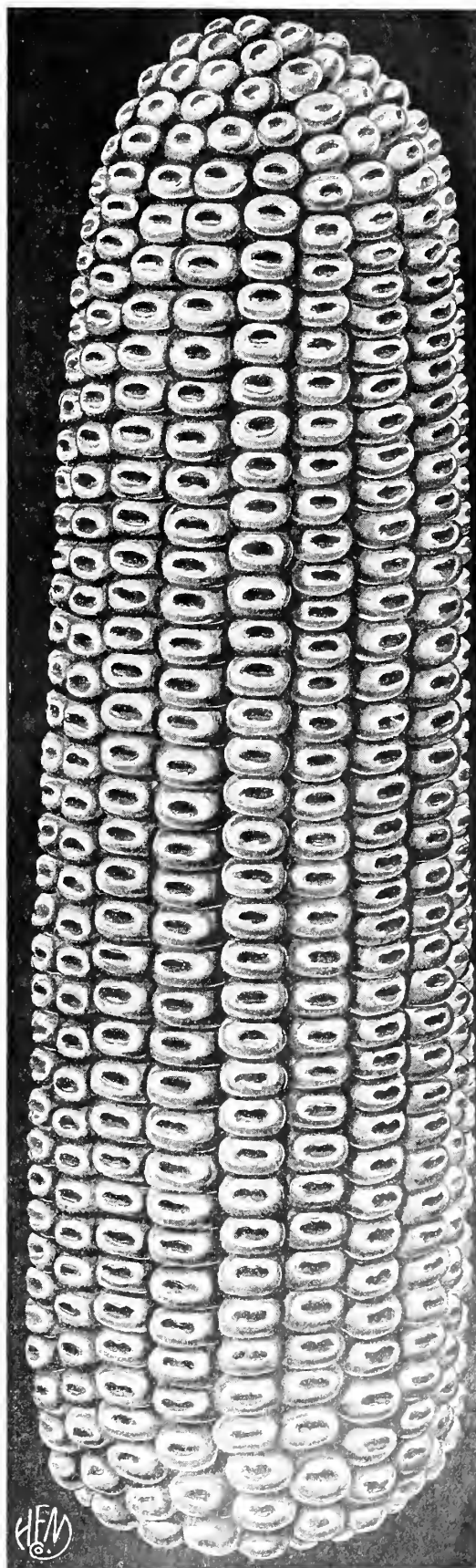
Red Cob Ensilage. A long, narrow, white grain; a late maturer, and used for silo, green feed or ensilage purposes. A tall, rank grower and prolific in leaves.

Price for any of the above varieties of Field Corn (except where noted) 25c. per qt. (by parcel post 35c.); 4 qts. 65c. (by parcel post 85c.); \$1.00 per peck (by parcel post \$1.35); \$3.25 per bushel.

2 Bu. Seamless Bags used in shipping field Corn are chargeable at 50c. each, but are returnable for credit if in good order and free of expense to us.

STANLEY'S CROW REPELLENT

It rids your corn crop of Crows and other corn pulling birds and animal pests such as Moles, Gophers, Woodchucks, Prairie Dogs, Squirrels, etc. Saves loss of seed and labor of replanting. Positively will not clog any planter. Aids and hastens germination of seed corn. Protects seed from rotting in the ground. Insures larger yields per acre. Is non-poisonous and will not injure the seed. Will not kill birds or animals but will keep them away and prevent destruction by them. Has been used successfully by experienced corn growers for over ten years. Large can, enough for two bushels of seed corn, \$1.50 (by P. P. \$1.75); small can, enough for one bushel, \$1.00 (by P. P. \$1.15).



Mellinger's Golden Queen Corn

For Corn Planters, see Page 145.

ALL PRICES SUBJECT TO MARKET CHANGES

(oi)



Inoculate Your
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches
and
Other Legume Crops
WITH
Mulford Cultures
FOR LEGUMES

Small Cost Large Returns Easy to Use No Labor Expense



Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil. Mulford Cultures are scientifically prepared and tested with the utmost care and skill. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Legumes offer the best known means of maintaining soil fertility and rejuvenating overcropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

For Small Seeds		Prices		For Large Seeds		Prices	
			By P. P.				By P. P.
Alfalfa	Mammoth Clover	1/2 bushel size,	\$0.60 \$0.70	Canada Field Peas	Vetch	1 bushel size,	\$0.60 \$0.70
Alsike Clover	Red Clover	1 bushel size,	1.00 1.10	Cow Peas	Garden Beans	2 bushel size,	1.00 1.10
Burr Clover	Sweet Clover	2 1/2 bushel size,	2.25 2.35	Peanuts	Lima Beans	5 bushel size,	2.25 2.35
Crimson Clover	White Clover	10 bushel size,	8.00 8.15	Soy Beans	Garden Peas	20 bushel size,	8.00 8.15
					Sweet Peas		
					Garden size (supplied only in four varieties, for Garden Beans, Lima Beans, Garden Peas and Sweet Peas), 35c. (by P. P., 45c.).		

Free descriptive folder sent upon request.

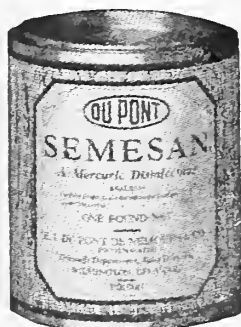


THE ORIGINAL SOIL INOCULATOR

Enriches the soil, increases yield, hastens maturity

- List of Culture Groups**
- Culture "A"—Alfalfa and all Sweet Clovers.
 Culture "B"—Red Clover, Mammoth Red Clover, Alsike Crimson and White Clover.
 Culture "C"—Field and Garden Peas, Vetches, Broad Beans, Sweet Peas and Perennial Peas.
 Culture "D"—Field and Garden Beans.
 Culture "E"—Cow Peas, Lima Beans, Velvet Beans, Partridge Peas, Japan Clover and Peanuts.
 Culture "S"—Soy Beans (all types).
 Garden Nitragin—For Garden Peas, Sweet Peas, Beans and Lima Beans (3 in one).
 When ordering specify crop culture is for.

- Prices**
- Garden Size for Peas, Beans and Sweet Peas, 20c. (by P. P. 25c.).
 1/4 bu. size for 15 lbs. seed, 40c. (by P. P. 45c.).
 1/2 bu. size for 30 lbs. seed, 60c. (by P. P. 65c.).
 1 bu. size for 60 lbs. seed for other crops listed (except Cow Peas and Soy Beans) \$1.00 (by P. P. \$1.10).
 5 bu. size for 300 lbs. seed for other crops listed (except Cow Peas and Soy Beans) \$4.75 (by P. P. \$4.90).
 1/2 bu. size for Cow Peas and Soy Beans, 40c. (by P. P. 45c.).
 1 bu. size for Cow Peas and Soy Beans, 70c. (by P. P. 80c.).
 5 bu. size for Cow Peas and Soy Beans, \$2.50 (by P. P., \$2.65).



DU PONT SEMESAN

**Accelerates Seed Germination
Stimulates Plant Growth
Controls Seed Diseases
Increases Crop Yields**

Semesan, a complex organic mercurial, while primarily a disinfectant for the control of seed borne diseases, possesses at the same time the remarkable properties of accelerating and increasing germination, producing more vigor-

ous seedling growth and increasing crop yields from five to forty per cent. It is suitable for the treatment of field, truck, forage and cereal crops, as well as flowers, grasses and ornamental plants. Application of Semesan by either the dusting or liquid methods will in no way harm the seed germ.

Semesan is the most effective means of controlling "Brown Patch" which attacks the turf of golf courses, tennis courts and lawns. It may also be used with splendid results for general agricultural purposes such as the disinfection of greenhouse soils, beds and tools and the cleansing of smut or other disease spores from grain harvesting equipment.



POTATOES (Grown with Semesan)
 Planted Feb. 7, 1924 Photographed April 11, 1924

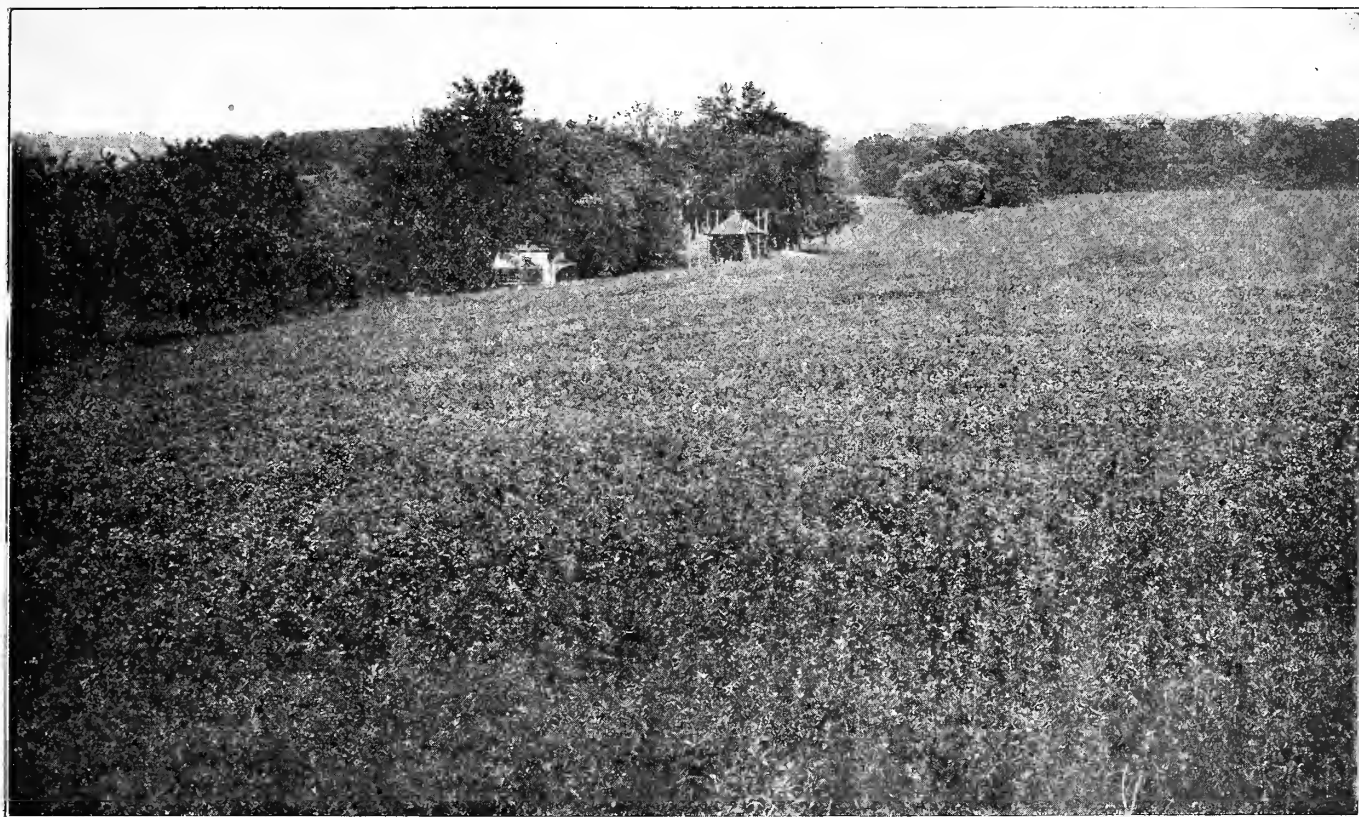
- TREATMENT**
- 1—Soaked in water 30 minutes.
 2—Immersed in liquid Semesan for 30 minutes.
 3—Immersed in liquid Semesan for one hour.

PRICE OF SEMESAN

2 ounce bottles.....	\$0.50
4 ounce bottles.....	1.00
8 ounce tin cans.....	1.60
1 pound tin cans.....	2.75
5 pound tin cans.....	13.00
25 pound tin cans.....	62.50

It is unlawful to send Semesan via parcel post; shipment will be made by express.

Semesan Booklets upon Request



A Field of Alfalfa or Lucerne Clover

Alfalfa or Lucerne (*Medicago-Sativa*). The most valuable forage crop on the American farm today, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Instructions on Alfalfa explains this fully, and is free for the asking. Sow not less than $\frac{1}{2}$ bushel (30 lbs.) per acre, preferably with no other crop. Our seed is always over 99 per cent pure, and will invariably give the best results. **Choice Non Irrigated Western Grown Seed.** 40c. per lb. (by parcel post, 50c.).

Grimm Alfalfa. Claimed to be hardy in any and all regions, a heavy yielder and of deep rooting ability. Highly recommended by various State Experiment Stations. Requires about 10 lbs. of Grimm Alfalfa to properly seed an acre, on account of its great root system and spreading habit. 45c. per lb. (by parcel post, 55c.).

Alsike or Swedish Clover (*Trifolium Hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high; it is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. Sow 10 to 15 lbs. per acre alone, or 8 lbs. per acre with Timothy. 40c. per lb. (by parcel post, 50c.).

Bokhara or Sweet Clover (*Melilotus Alba*). While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is excellent. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut as often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. **Choice Hulled Seed.** 25c. per lb. (by parcel post, 35c.).

Crimson Clover (*Trifolium Incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year. Late summer or fall seeding is usually practiced. It is not hardy for more than one season and must be sown each year. 20c. per lb. (by parcel post, 30c.).

Mammoth Red Clover (*Trifolium Pratense Perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. Sow in early spring or in July and August, using 20 lbs. per acre alone, or with other crops 10 lbs. per acre; flowers pink. It can be cut several times in a season. 50c. per lb. (by parcel post, 60c.).

Red Clover, Medium (*Trifolium Pratense*). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2 $\frac{1}{2}$ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can be cut twice a season. 45c. per lb. (by parcel post, 55c.).

White Dutch or Lawn Clover (*Trifolium Repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone, or 5 lbs. if sown on old turf or with other crops. 5c. per pkt.; oz., 10c.; 25c. per $\frac{1}{4}$ lb.; $\frac{1}{2}$ lb., 45c. (by parcel post, 50c.); 85c. per lb. (by parcel post, 95c.); 5 lbs., \$4.00 (by parcel post, \$4.25); \$7.75 per 10 lbs. (by parcel post, \$8.10); per bu. of 60 lbs., \$45.00; \$75.00 per 100 lbs. Prices on White Clover subject to change.

Prices for quantities larger than 5 lbs., will be quoted on request.

MICHELL'S HIGH GRADE FARM SEEDS, Etc.

ALFALFA (See Page 85)

BARLEY

The straw is good for green feed or when cured as hay. The grain in the hull is excellent poultry feed. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast $1\frac{1}{2}$ to 2 bushels per acre from May 15th to July 1st. 48 lbs. per bushel.

Barley makes an ideal nurse crop for spring sown Alfalfa. When sown in connection with Alfalfa use $\frac{1}{2}$ to $\frac{3}{4}$ bushel per acre broadcast; when ripe harvest as usual or cut and rake off.

Beardless. New York grown stock; frequently yields 50 bushel per acre. 25c. per qt. (by parcel post 35c.); larger quantity, price upon application.

Note—While offered as beardless, barley has the fault of reverting back to its type which is bearded so that some bearded heads will invariably appear in the field.

BEANS, SOJA OR SOY

This very valuable farm plant enriches the ground in which it is planted by the free nitrogen gathered from the air and which is deposited in the ground by the roots, leaving it in ideal condition and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with hay or corn. The seed when harvested and ground into meal is fed with great advantage to milch cows, mixed with bran or any soft feed; it gives the milk a very rich flavor. Sow $1\frac{1}{2}$ bushels per acre alone, or $\frac{1}{2}$ bushel Soja Beans with one bushel Cow Peas. Sow in drills $2\frac{1}{2}$ feet apart, any time from the first to the last of May. If wanted for silo it will be ready for harvest about the first of September, when the pods will be well filled; yields as high as 20 tons of green food per acre. 60 lbs. per bushel.

Mammoth Yellow (Late). 20c. per qt. (by parcel post, 35c.). **Wilson (Early),** 20c. per qt. (by parcel post, 35c.); larger quantity, price upon application.

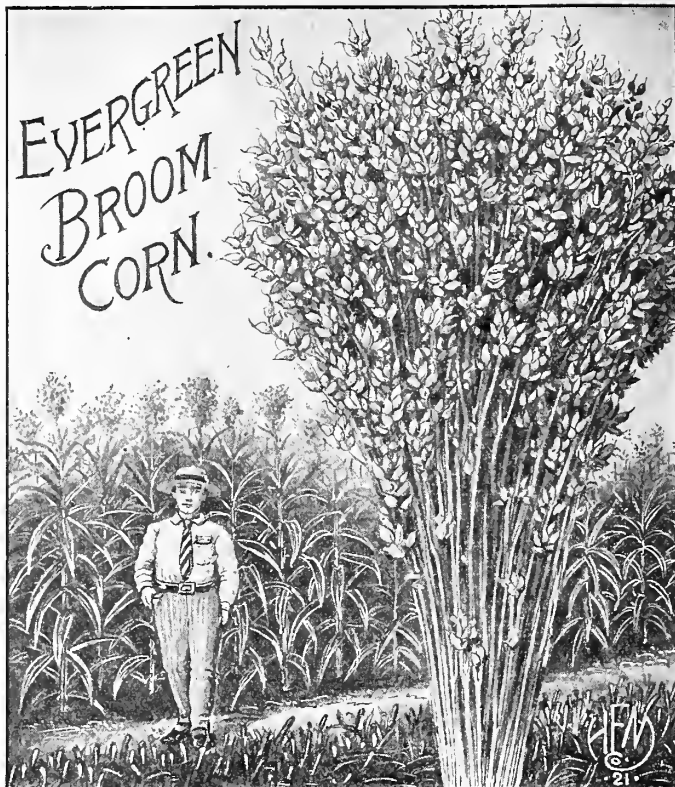


Beardless Barley



Mammoth Yellow Soja Beans

2 Bu. Seamless Bags required in shipping Farm Seeds on 1 Bu. lots and over, are chargeable at 50c. each, but are returnable for credit.



BROOM CORN

The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. The fodder grows to a height of about nine feet, and is suitable for bedding. Sow in May, about ten pounds per acre, in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row.

Evergreen. This sort produces extremely straight brush retaining its green color well after ripening, thus commanding the highest market prices. Yields 1000 lbs. of salable brush per acre. Bushel 50 lbs. 20c. per qt. (by parcel post 30c.); larger quantity, price upon application.

BUCKWHEAT (See next page) CANADIAN FIELD PEAS

These are used for various purposes, chief among them being a very early green food; when used this way they are sown with oats about April 1st at the rate of $1\frac{1}{2}$ bushel of Peas and $1\frac{1}{2}$ bushel of Oats to the acre either drilled or broadcasted. They are cut just after the peas flower and fed green; sheep, hogs and cattle relish them keenly. They may be sown successively up to July if one has the available land. Peas may also be sown alone at the rate of 3 bushels per acre and furnishes excellent hay. For plowing under as green manure, they add a vast amount of nitrogen to the soil and succeeding crops sown there the same year or even later, particularly wheat, are wonderfully benefitted by producing a more luxuriant growth and larger yield. The dried peas are extensively fed to pigeons while when ground as meal is an excellent addition to the regular soft food of cows, sheep and horses. 25c. per qt. (by parcel post, 40c.); larger quantity, price upon application.

CARROTS

These should form a staple crop on every farm, as they can be successfully used in feeding horses, cows, poultry, sheep and pigs. They are easily grown and are little trouble to harvest, store and keep. On page 58 we offer a long list, but for farm purposes the three varieties below are best, being the largest yielders; sow 3 to 4 lbs. per acre.

	Oz.	$\frac{1}{4}$ lb.	Lb.	5 lb.	P.P.
Danvers Half Long.....	\$0.20	\$0.50	\$1.50	\$7.00	\$7.20
Long Orange.....	.20	.50	1.50	7.00	7.20
White Belgian.....	.15	.35	1.00	4.50	4.70

ALL PRICES SUBJECT TO MARKET CHANGES

(oi)



Japanese Buckwheat

BUCKWHEAT

Japanese. In the locality of Philadelphia this is sown any time from June 1st to July 15th, one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. It makes a very fine quality of flour, but is largely used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food, while the straw is very abundant. Our seed is grown by a specialist in New York State. Any of the clover crops can be sown with buckwheat, these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre. 20c. per qt. (by parcel post, 30c.); larger quantity, price upon application.

CANADIAN PEAS (See Page 86)

CARROTS (See Page 86)

CLOVER SEED (See Page 85)

COTTON SEED

Sea Island. If sown early in May, will mature in the latitude of Philadelphia. 15c. per $\frac{1}{4}$ lb.; lb., 40c. (by parcel post, 50c.); \$1.25 for 5 lbs. (by parcel post, \$1.45).

COW PEAS

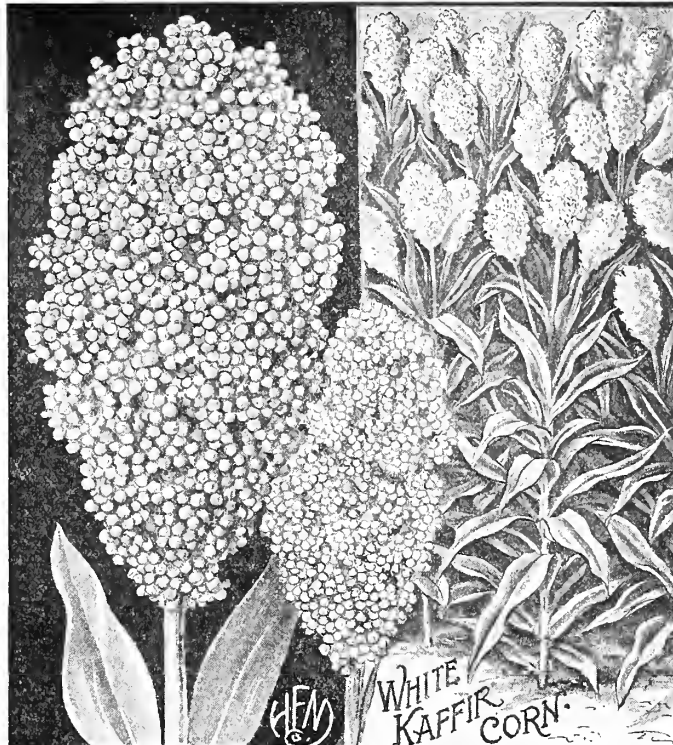
Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, leaving it very rich in ammonia. In the latitude of Philadelphia sow from May 1st to July 1st, two bushels per acre broadcast, or one bushel per acre in drills. For a large crop sow the seed as late as possible.

Black. One of the popular varieties extensively grown; very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for grazing stock.

Large Black Eye. An exceedingly heavy cropper, but late to mature. In the South the seed of this variety is sold for dried peas for household use; it is claimed they are quite delicious.

Whippoorwill. Medium early; upright growing; a variety more extensively used than any other. The seed is gray speckled; a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

Price of Cow Peas, 25c. per qt. (by parcel post, 40c.); larger quantity, prices upon application.



CORN, WHITE KAFFIR (for Seed)

The grain is used for feeding poultry and the fodder for cattle. Grows from 4 to 6 feet high, the grain being produced on the top of stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. (Bu. 56 lbs.). 15c. per lb. (by parcel post, 25c.); larger quantity, price upon application.

FLAX

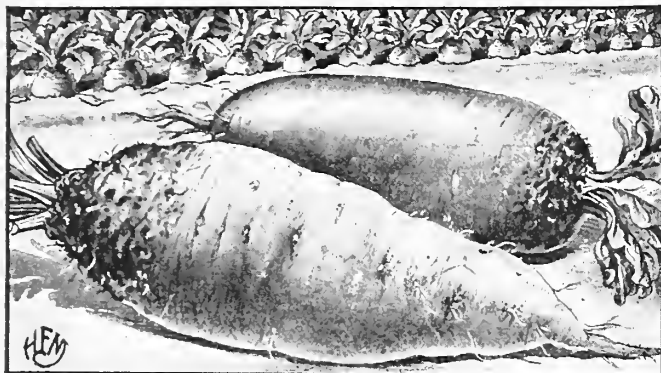
This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant 1 bushel to the acre from May 15th to June 15th. If desired for the fibre, sow $1\frac{1}{2}$ to 2 bushels (bushel, 56 lbs.). 20c. per lb. (by parcel post, 30c.); larger quantity, price upon application.



A Field of Cow Peas

Two bushel seamless sacks, used in shipping farm seeds, in one bushel lots and over, are charged for at 50c. each; returnable at price charged if in good condition and prepaid.

MICHELL'S HIGH GRADE FARM SEEDS



Mitchell's Mammoth Long Red and Golden Tankard Mangels

MANGEL WURZEL

Sow 5 lbs. per acre in April and May in thoroughly plowed, well-manured soil, in drills about 24 inches apart. Thin out to 12 inches apart in the row, and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzels. They provide excellent winter food for cattle, sheep hogs and poultry.

Golden Tankard. The best long yellow mangel in cultivation. Relished by cows, sheep and hogs. Matures earlier than other large sorts. Per oz., 10c.; 20c. per $\frac{1}{4}$ lb.; lb., 60c. (by parcel post, 70c.); \$2.50 per 5 lbs. (by parcel post, \$2.70).

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground; one of the best for stock feeding. Per oz., 10c.; 20c. per $\frac{1}{4}$ lb.; lb., 60c. (by parcel post, 70c.); \$2.50 per 5 lbs. (by parcel post, \$2.70).

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 75 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel. Per oz., 10c.; 20c. per $\frac{1}{4}$ lb.; lb., 60c. (by parcel post, 70c.); \$2.50 per 5 lbs. (by parcel post, \$2.70).

MILLET

Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about 10 inches high. Makes an excellent green food for stock. If used for hay it should be cut just as it matures.

Hungarian. The seed produces hay not so fine in quality as the "Golden," also fully a foot less in height. It can, however, be sown some 2 weeks later. Sow 1 bushel (50 lbs.) per acre. 15c. per lb. (by parcel post, 25c.); larger quantity, price upon application.

Japanese Barnyard. This wonderful Millet yields possibly more fodder than any other forage plant. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre, broadcast, any time from May 1st to June 15th. 15c. per lb. (by parcel post, 25c.); larger quantity, price upon application.

Tennessee Golden. This requires a longer season to mature than the other sorts; it produces a very fine quality of hay and makes a larger seed head. In good seasons it grows about 4 feet high. Sow 1 bu. (50 lbs.) broadcast to the acre, from April 10th to July 10th. 15c. per lb. (by parcel post, 25c.); larger quantity, price upon application.

RAPE

Dwarf Essex. This can be pastured 8 weeks after sowing; sow in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time. Sow 6 lbs. per acre broadcast, from April 1st to October 1st. It produces enormous crops, and is ideal green manure. Stock feeding on it should have ready access to salt. 20c. per lb. (by parcel post, 30c.); larger quantity, price upon application.

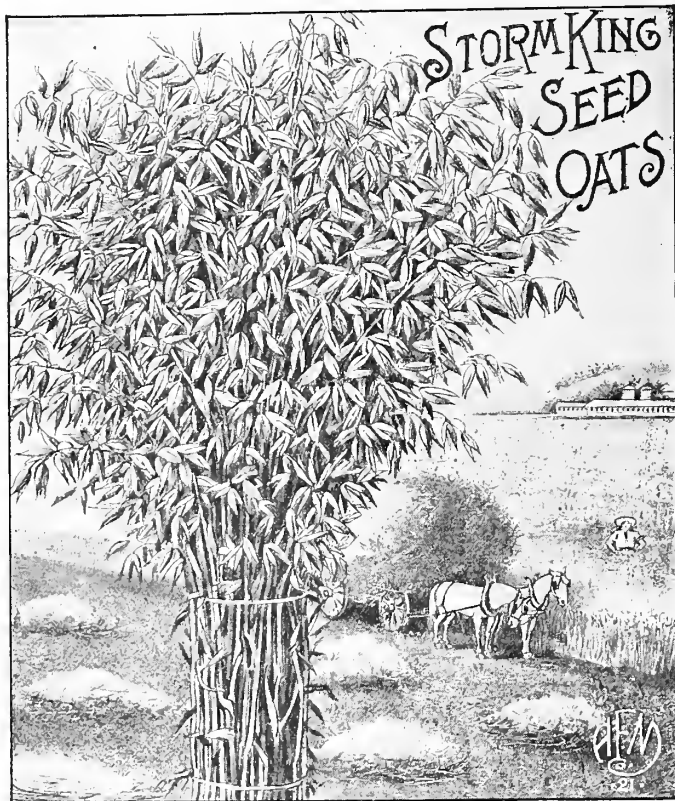
SPELTZ, or EMMER

This seed resembles barley, but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after threshing is equal to wheat straw. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre any time after April 1st; the earlier the better. 40 lbs. per bushel. Price, 20c. per qt. (by parcel post, 30c.); larger quantity, price upon application.

2-bushel Seamless Bags for shipping Farm Seeds are charged for at 50c. each. These are returnable for credit. (oi)

SUDAN GRASS

An annual, and must be sown each year. Resembles millet somewhat; stock seems to relish it; will yield from 2 to 4 tons per acre. Sow in drills or broadcast 16 to 24 lbs. per acre; several cuttings can be made from a sowing in one season. Thrives excellently in a season of drought. Price, 15c. per lb. (by parcel post, 25c.); larger quantity, price upon application.



SEED OATS

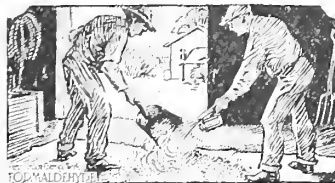
We make quite a specialty of these, having them grown especially on contract for us; they are large, plump, free from weed seeds or other foreign substance, and of high vitality. Sow them at the rate of $2\frac{1}{2}$ to 3 bushels per acre alone or $1\frac{1}{2}$ bushels with peas, during April, for best results.

Storm King (Pedigree Stock). Our strain of this variety was brought from Russia ten years ago, and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring five feet in height. Often yields 85 bushels per acre. Price, 20c. per qt. (by parcel post, 30c.); larger quantity, price upon application.

Swedish or Washington. The long, erect straw is noted for its ability to stand up in rough weather; grains are very plump and nearly pure white in color. Price, 15c. per qt. (by parcel post, 25c.); larger quantity, price upon application.

Victory (New). Originated at the Royal Seed Breeding School of Sweden. Straw is of good length and stands up well; heads are branching and well filled with grain of the finest quality for milling or feeding purposes. Price, 20c. per qt. (by parcel post, 30c.); larger quantity, price upon application.

Welcome. A well-known and extensively grown variety; extra strong straight straw; large plump grains; very productive. Price, 15c. per qt. (by parcel post, 25c.); larger quantity, price upon application.



FORMALDEHYDE

Improved Treatment for Oats Smut

Use one pint of Formaldehyde in 10 pints of water and with a spray pump direct a spray into each shovelful of grain as it is being shoveled over on a clean floor or canvas.

This quantity, 11 pints, will treat 55 bushels at the rate of 1 pint to 5 bushels. Grain may be immediately sacked. Formaldehyde will increase the yield of oats, wheat, barley and rye materially. Per pint bottle, 50c.



Spring Rye

RYE (For Seeding)

Spring. An excellent early green food, or for pasture; the grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow from May 1st to June 1st. 56 lbs. per bu. Don't sow Winter Rye in Spring as it will not grow at that season. 25c. per qt. (by parcel post, 35c.); larger quantity, price upon application.

Pennsylvania White Winter. This may be sown in the autumn as late as November, making a very fine yield of long, stiff straw, or may be used as a cover crop. Winter rye will not mature if sown in spring. 20c. per qt. (by parcel post, 30c.); larger quantity, price upon application.

Rosen Winter Rye. An improvement on the Pennsylvania White Winter Rye, from a standpoint of yield, as to grain and straw. Weight of rye is 56 lbs. per bushel, sow $1\frac{1}{2}$ bushels per acre. 20c. per qt. (by parcel post, 30c.); larger quantity, price upon application.

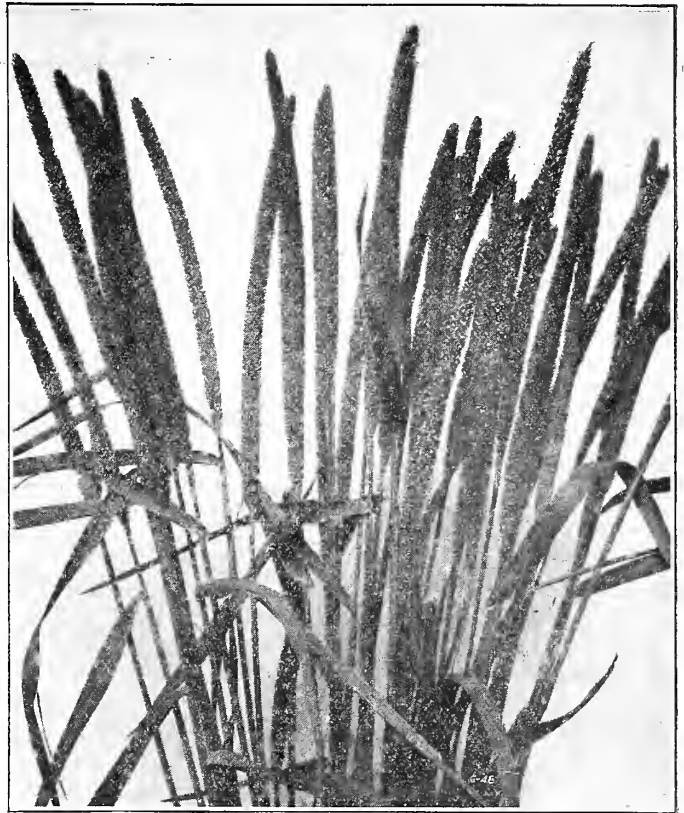
SUGAR CANE or SORGHUM

Early Amber. Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be threshed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and can be cut several times in one season. Sow 25 lbs. of seed to the acre in drills $3\frac{1}{2}$ feet apart; 1 or 2 bushels broadcast. 50 lbs. per bushel. 25c. per qt. (by parcel post, 35c.); larger quantity, price on application.

SUNFLOWER

Mammoth Russian. This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities; will yield sometimes as high as sixty bushels per acre. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. Prices (subject to change): 15c. per lb. (by parcel post, 25c.); 5 lbs., 70c. (by parcel post, 90c.); \$1.35 per 10 lbs. (by parcel post, \$1.65); bushel (25 lbs.), \$3.25.

Two Bushel seamless sacks, used in shipping farm seeds, are charged for at 50c. each; returnable at price charged if in good condition prepaid.



Timothy

TIMOTHY SEED

Our stocks of this important hay producing seed are especially fine; thoroughly re-cleaned, and free from weeds. If sown alone it requires 25 lbs. to seed an acre; if sown with wheat 12 to 15 pounds are the usual quantities. 20c. per lb. (by parcel post, 30c.); 10 lbs., \$1.50 (by parcel post, \$1.80); \$3.15 per 25 lbs.; 100 lbs., \$11.50.

VETCHES or TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye; the latter gives it support and thus ensures enormous crops; it makes an ideal hay. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. The height when supported is frequently 4 feet.

Winter Vetch (*Vicia Villosa*). Sometimes called Sand or Hairy Vetch. Our stock of this is the true type, imported by us direct from Russia, which will absolutely live throughout the winter. Sow from August 1st to October 1st, but the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed under as green manure, or when in flower cut for hay. Price, 25c. per lb. (by parcel post, 35c.); larger quantity, price upon application.

Spring Vetch (*Vicia Sativa*). The seed of this is larger than the "Winter" and of a brownish gray color. It is not hardy and must therefore, be sown in the spring during May or June, 1 to 2 bushels per acre if broadcast, and 1 bushel if in drills, with either spring wheat, spring rye or oats, for support. Has the same desirable features as the winter vetch. Price, 20c. per lb. (by parcel post, 30c.); larger quantity, price upon application.

SPRING WHEAT

A desirable crop to sow where fall sown wheat has been killed by severe winter; the grain is very hard, of excellent milling quality. Macaroni is made from this variety.

Saskatchewan Fife. A favorite sort in this locality and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May, $1\frac{1}{2}$ to 2 bushels per acre, broadcast or in drills. Price, 25c. per qt. (by parcel post, 40c.); larger quantity, price upon application.

AMARYLLIS

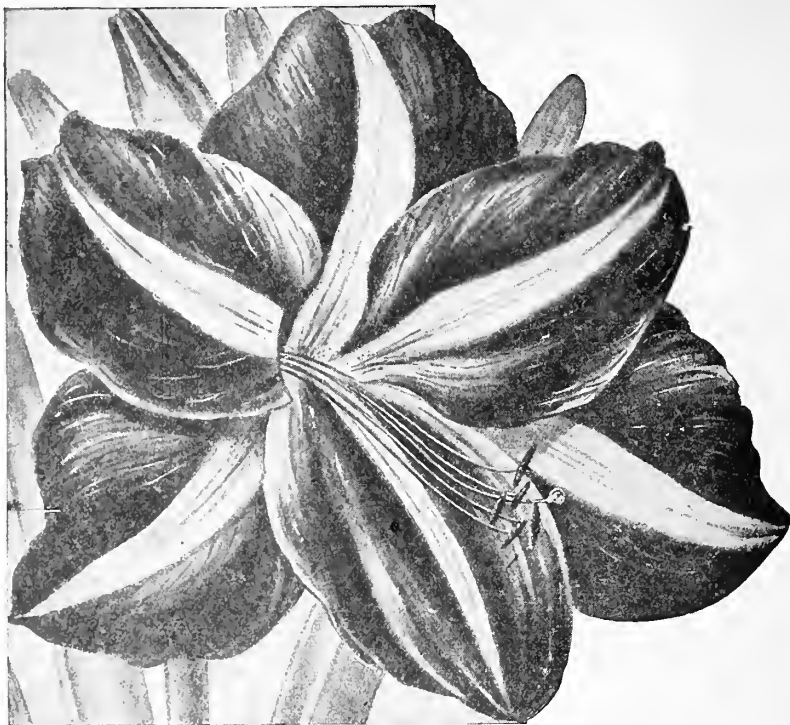
One of the most gorgeous showy house plants, giving splendid satisfaction, not only because of their requiring little care, but also on account of their everlasting nature and tendency to increase.

Belladonna. A beautiful bright pink. 40c. each; doz., \$3.50 (by parcel post, \$3.65).

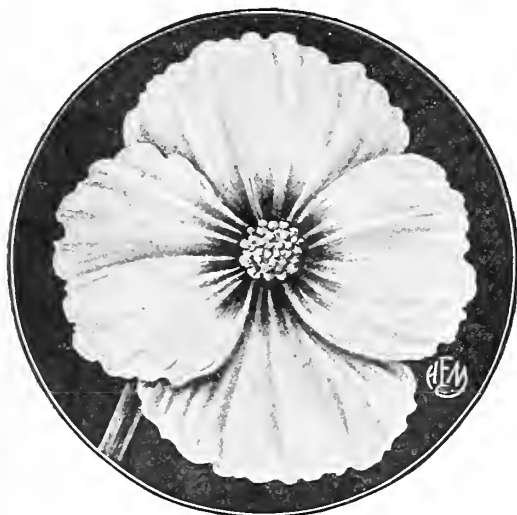
Formosissima. Crimson. 65c. each; doz., \$6.50 (by parcel post, \$6.65).

Hippeastrum Equestre. A garden species, producing large, bright red flowers. 50c. each; doz., \$5.00 (by parcel post, \$5.25).

Hybrids of Vittata. The finest race of Amaryllis in cultivation, exceeding in the size and fine form of their flowers as well as in the diversity of colors and markings all former hybrids; flowers striped and flaked. 75c. each; doz., \$7.50 (by parcel post, \$7.85).



Amaryllis, Hybrids of Vittata



Single Tuberous Rooted Begonia

BEGONIAS (Tuberous Rooted)

Enormous wax-like flowers appear uninterruptedly from June until frost. Plant bulbs outdoors about May 1st or start indoors any time prior to then.

If wanted by Parcel Post, add 10c. per doz.; 25c. per 100, for postage. Single bulbs mailed free.

SINGLE BEGONIAS (Large Bulbs)

	Each	Doz.	100		Each	Doz.	100
Crimson.....	\$0.25	\$2.50	\$17.50	Scarlet.....	\$0.25	\$2.50	\$17.50
Orange.....	.25	2.50	17.50	White.....	.25	2.50	17.50
Pink and				Yellow.....	.25	2.50	17.50
Rose.....	.25	2.50	17.50	Mixed.....	.25	2.50	17.50
Salmon.....	.25	2.50	17.50				

DOUBLE BEGONIAS (Large Bulbs)

	Each	Doz.	100		Each	Doz.	100
Orange.....	\$0.30	\$2.75	\$18.50	Scarlet.....	\$0.30	\$2.75	\$18.50
Pink and				White.....	.30	2.75	18.50
Rose.....	.30	2.75	18.50	Yellow.....	.30	2.75	18.50
Salmon.....	.30	2.75	18.50	Mixed.....	.30	2.75	18.50

BEGONIA, CRISPA (Large Bulbs)

The edge of each flower petal is exquisitely frilled.

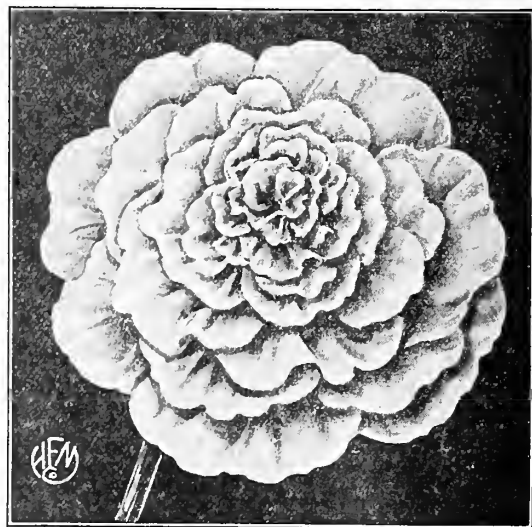
	Each	Doz.	100		Each	Doz.	100
Orange.....	\$0.30	\$3.00	\$20.00	Salmon.....	\$0.30	\$3.00	\$20.00
Pink and				Scarlet.....	.30	3.00	20.00
Rose.....	.30	3.00	20.00	White.....	.30	3.00	20.00
				Mixed.....	.30	3.00	20.00

TESTIMONIAL

Enclosed find check for amount due. I want to say I have never had such beautiful bulbs, as I have bought of you; hereafter my entire order will be placed with your house.

Alloway, N. J.

Mrs. M. M.



Double Tuberous Rooted Begonia

MICHELL'S CHOICE CANNAS (ROOTS)

91

Please Note: The heights given for Cannas are as they average in the Nurseries; this height may vary, depending on soil, weather and climatic conditions.

Alphonse Bouvier. Rich velvety red; green foliage; 5 feet.

Ambassador. Brilliant cherry red flowers; plants of vigorous growth; blooms early; bronze foliage; 3½ feet. 35c. each (postpaid); doz., \$3.00 (by parcel post, \$3.20); \$20.00 per 100.

American Beauty. Velvety oriental carmine or translucent cerise; large, attractive flowers; green foliage; 4 feet. 35c. each (postpaid); doz., \$3.50 (by parcel post, \$3.70); \$25.00 per 100.

Apricot. Color, buff yellow base, overspread with salmon pink; a very effective variety; green foliage; 4 feet. 25c. each (postpaid); doz., \$2.50 (by parcel post, \$2.70); \$15.00 per 100.

City of Portland. A glowing pink, deeper in color than its parent, Mrs. Alfred F. Conard, and the flowers are borne in greater profusion; height, 3½ ft.; foliage, green. Roots, 35c. each (postpaid); doz., \$3.00 (by parcel post, \$3.20); \$20.00 per 100.

Dr. E. Ackernecht. Deep carmine, suffused deeper; very distinct; free bloomer; bronze foliage; 4 feet. 25c. each (postpaid); doz., \$2.50 (by parcel post, \$2.70); \$15.00 per 100.

Enchantress. Delicate old rose passing to light salmon; free flowering; green foliage; 4½ feet. 35c. each (postpaid); doz., \$3.00 (by parcel post, \$3.20); \$20.00 per 100.

Eureka. The best white variety; free bloomer; green foliage; 4 feet.

General Merkel. Bright scarlet, splashed golden yellow; green foliage; 4 feet.

Hungaria. Plant is dwarf and of compact growth; rich peach blossom pink. It is a free, early and continuous bloomer. Foliage green and very massive; height, 3½ feet. Roots, 35c. each (postpaid); doz., \$3.50 (by parcel post, \$3.70); \$22.50 per 100.

Karl Merck. Fine large flowers and large truss; color, pure yellow with tinge of orange and flecked with pink dashes, becoming red in throat; green foliage; 4 feet.

King Humbert. Truly a king among cannas, because of its majestic growth, which is doubly enhanced by its massive truss of coppery scarlet flowers. The foliage is deep bronze, very broad and of wonderful robust habit, growing 4½ feet high.

Meteor. Of compact growth; broad green foliage, surmounted with large heads of bright red flowers; grows about 4½ feet high. 25c. each (postpaid); doz., \$2.50 (by parcel post, \$2.70); \$15.00 per 100.

Mme. Crozy. Scarlet, bordered golden yellow; green foliage; 3 ft.

Mrs. Alfred F. Conard. The gigantic flowers which are borne in immense clusters, are of delightful salmon pink, a shade which becomes more brilliant as the flower develops. Foliage is light green; 4 feet. Roots, 35c. each (postpaid); doz., \$3.00 (by parcel post, \$3.20); \$20.00 per 100.

Orange Bedder. Attractive bright orange with scarlet suffusion; very free bloomer; green foliage; 4 feet.

Rosea Gigantea. The largest pink canna in existence; color, a rich rose pink; free bloomer; foliage green; height, 3½ feet. Roots, 35c. each (postpaid); doz., \$3.00 (by parcel post, \$3.20); \$20.00 per 100.

Shenandoah. A beautiful salmon pink color; bronze foliage; 4 feet.

The President. This splendid new variety produces immense flowers of a rich, glowing scarlet; superior in quantity and quality of bloom to any other red variety; green foliage; 4 feet.

Uhlberg. Rosy carmine, creamy yellow at throat and at edges of petals; green foliage; 3½ feet. 25c. each (postpaid); doz., \$2.50 (by parcel post, \$2.70); \$15.00 per 100.

Henry F. Michell Co. was awarded a Bronze Medal for display of Cannas at the Sesqui Centennial International Exposition, Philadelphia, Pa.



Varouna. A showy and valuable variety; orange colored flowers; bronze foliage; 3½ feet. 25c. each (postpaid); doz., \$2.50 (by parcel post, \$2.70); \$15.00 per 100.

Venus. A gay rosy-pink with a well defined border of creamy yellow; green foliage; 4 feet.

Wyoming. Orange chrome red; bronze foliage; 6½ feet.

Yellow King Humbert (Queen Helen). This is a sport of the well-known bronze-leaved variety, but this sort has green foliage; about 4½ feet high, with masses of golden yellow flowers, dotted red; occasionally some will be streaked red.

Mixed Cannas. All colors. Roots, 15c. each (postpaid); doz., \$1.50 (by parcel post, \$1.70); \$10.00 per 100.

Price of Canna Roots (not plants), except where noted, 20c. each (postpaid); doz., \$2.00 (by parcel post, \$2.20); \$12.50 per 100.

PRICES OF CANNA PLANTS

Please note that the prices quoted above are for dry roots. If plants are wanted they are ready about May 10th, and will be supplied at the following prices, 3 for \$1.00 (by parcel post, \$1.20); doz., \$3.50; \$25.00 per 100. Please specify if roots or plants are wanted, when ordering.

MICHELL'S PRIZE WINNING DAHLIAS

OUR OWN INTRODUCTIONS

The list of varieties below, some of which are offered this season for the first time, consists of the very best of the newer types. Our introductions are known for their vigorous growth, large size and splendid form of the flowers and their colorings, which are of the most pleasing, always finding favor with the most critical dahlia enthusiasts.

We feel sure you will make no mistake in selecting any or all of the varieties named below.

F. J. MICHELL, Sr.

(Cactus)

A new cactus variety introduced this season for the first time. A beautiful amber color, of the true American Cactus type; flowers are large, well formed and carried on excellent straight stems. The plant grows medium tall, sturdy and of a good open habit. Tubers, \$10.00 each.

MRS. CLARENCE H. GEIST

(Decorative)

A new introduction of the decorative type; color, creamy white blending to lavender pink, with a suggestion of yellow at base of petals, a very pleasing blending of colors. Very large, rather flat blooms, held on straight, stiff stems. Plant medium tall and of open habit. Tubers, \$10.00 each.

ROBERT LEEDS

(Decorative)

This variety is another new introduction of the decorative type; massive flowers of a rich, royal purple color and of fine formation, holding the full center throughout the season. Blooms large and heavy but are held well on stout, strong stems. Plant grows to a medium height, with heavy dark foliage. Tubers, \$10.00 each.

CALVIN COOLIDGE, Jr.

(Decorative)

(See color plate opposite)

This Dahlia was named by special permission of President and Mrs. Coolidge.

A Dahlia which created a sensation when exhibited three years ago; it originated with John M. Root, an expert in dahlia culture. The flowers are immense and beautifully shaped, never showing an open center. Color, rose pink, beautifully suffused with salmon, shading deeper towards the center while the petals are distinctly edged with gold. The blooms which are produced in abundance, carry themselves erect and well above the foliage on long, stiff stems.

Tubers, \$5.00 each.

FLORENCE MICHELL (Decorative)

(See color plate opposite page 92A)

Another seedling from the gardens of Mr. John M. Root who is well known as a hybridizer of several of the leading varieties which merits a noteworthy place in one's collection. Beautiful and striking color and masses of artistic blooms.

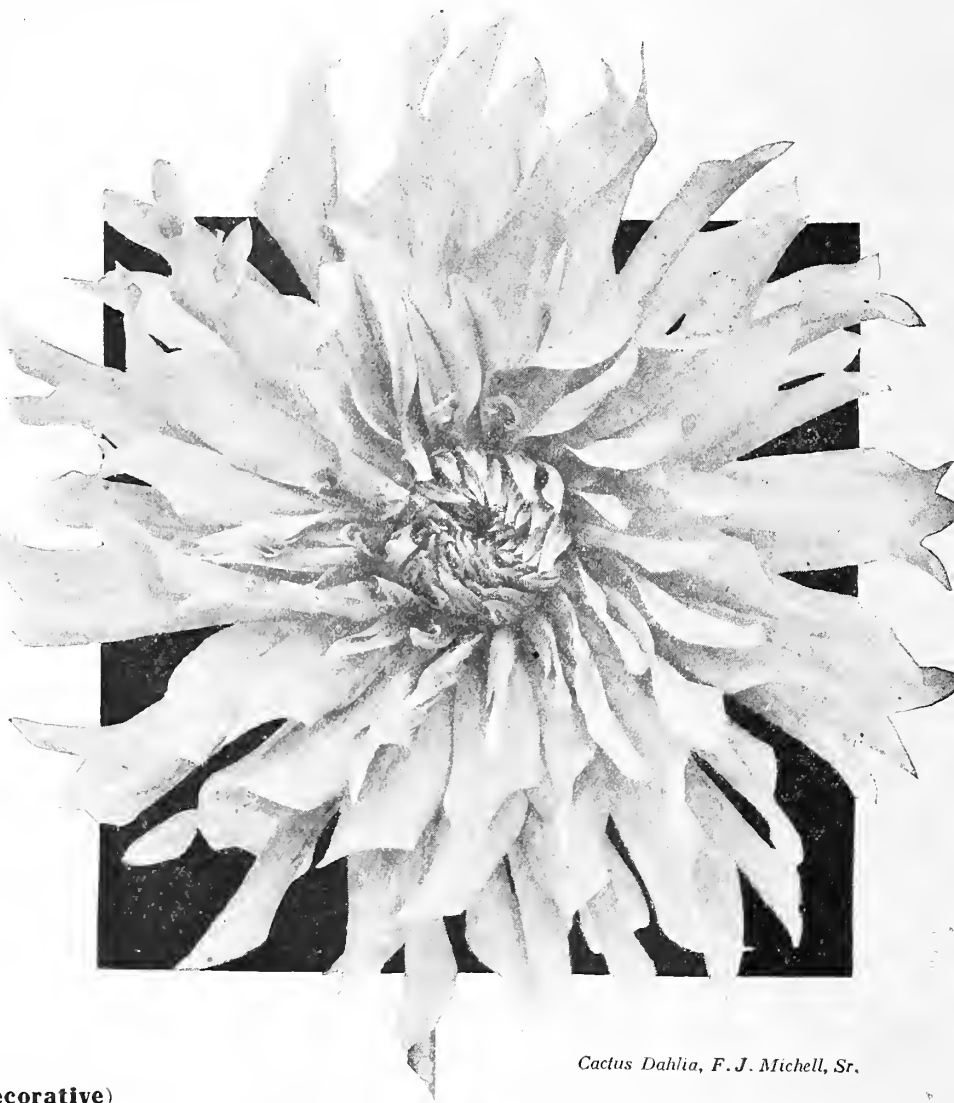
Color, creamy white with a suggestion of shell pink. The petals are long and nicely formed, while the center is full throughout the season. The stem is strong and erect and the bush growth excellent. Tubers, \$5.00 each.

HADDON HALL (Decorative)

A 1926 introduction. Amber yellow with carmine suffusion towards the outer edge of the petals best describes this flower. The formation is of true decorative type; stem straight and strong, holding the flowers in a graceful position. A vigorous grower and persistent bloomer. Tubers, \$5.00 each.

HENRY F. MICHELL (Decorative)

Produces immense, heavy flowers of a true brilliant scarlet, 8 to 9 inches in diameter and from 5 to 6 inches in depth. The growth of this variety is remarkable, attaining a height of 7 to 8 feet without forcing; the stem is heavy and strong and the foliage dark green in color. Tubers, \$1.50 each.



Cactus Dahlia, F. J. Michell, Sr.

MRS. COLEMAN DU PONT (Decorative)

A new and very attractive variety; color, yellow with vermilion suffusion; flowers large and produced on long, strong stems. Tubers, \$7.50 each.

MRS. GEO. W. ELKINS, Jr. (Decorative)

The flowers are very large (8 to 9 inches in diameter) and of perfect decorative type, always full to the center. The color is a beautiful old gold, suffused salmon pink, with faint reflex of rosy pink. It is a perfect garden and exhibition variety with exceptional keeping qualities. Tubers, \$1.50 each.

MRS. JOHN M. ROOT (Hybrid Cactus)

An enormous flower of pure canary yellow. One of the largest varieties ever produced; the petals are long, broad and slightly twisted, giving the flower great diameter and depth. The bushy plants attain a height of 6 to 7 feet without forcing. Winner of the Penna. Horticultural Society silver Medal in 1922 and 1923. Tubers, \$3.50 each.

SPECIAL OFFER. One tuber each of the above 10 varieties for \$50.00.



NEW DECORATIVE DAHLIA

Calvin Coolidge, Jr.

(NAMED BY SPECIAL PERMISSION OF PRESIDENT AND MRS. COOLIDGE)

Tubers will be furnished in April as long as stock permits, after which thrifty green plants will be supplied in May.

PRICE \$5.00 EACH, POSTPAID

MICHELL'S SUPERB DAHLIAS

Our list of Dahlias has again this year been most carefully revised and is made up of the newer and better sorts of more recent introduction. The tendency of buyers seems to be toward this end and for that reason our action. If our customers want some of the older standard sorts not found in our list, we shall be pleased to supply them when available.

Note—Unless specially requested we do not send Dahlias out until about March 15th to April 1st.

The natural season for the Dahlia to be at its best is during September and October; in fact, effort to get superior blooms, before that time should not be attempted. To get large flowers, the plants should be disbudded up to August 1st.

Spade or plow the ground to a depth of about 10 inches. As a fertilizer, use either well-rotted stable manure, or, better still, sheep manure, which should be well mixed with the soil. When the soil is properly prepared, dig a hole, 6 inches deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 inches. Every Dahlia should have from 2½ to 3 feet space and at least 4 feet between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake. Keep the ground well cultivated and free from weeds. Never leave more than one shoot to a plant if you want to grow exhibition flowers. You will have better plants and larger flowers.

About Dahlia Plants. It happens sometimes that there is an unusually large demand for certain varieties and our stock of roots becomes exhausted. In such instances we will send out strong plants after May 1st, after which time most all Dahlia orders for plants are filled, these give equally as good results as tubers or roots.

HOW TO KEEP DAHLIA ROOTS AFTER THEY ARE SHIPPED TO YOU IF TOO EARLY TO PLANT.

In order to keep the tubers in prime and plump condition until planting time it is best to leave them in the packing you receive them and particularly exclude the air from them. Do not moisten them and also keep them in a cool place but not where they will freeze. Exposure to the air is what causes them to shrivel, sometimes rendering them worthless when planted.

SELECT DECORATIVE VARIETIES

Aibonita. Flowers of immense size, on long, graceful stems; color, a bright glowing pink shading to a rich golden yellow at the center; the flowers are deep and well formed. Tubers, \$1.50 each.

Amun Ra or The Sun God. Of immense size and entirely new formation; resembles in color a glorious setting sun. The colors are copper and orange shading to gold and amber, deepening in center to a rich, dark, reddish bronze. The blossoms keep for days when cut and last a long time on the plant. Tubers, \$2.00 each.

Atlantic Ocean. One of the largest decorative varieties; free bloomer; long stems; color, a very attractive shade of yellow. Tubers, \$2.50 each.

Azalea. The flowers are of good size and very attractive on account of the long, narrow florets; color, soft, creamy yellow, suffused salmon, shading to old rose. Tubers, 75c. each; doz., \$7.50.

Bashful Giant. One of the largest dahlias yet introduced and excellent for exhibition purposes; the flowers which are produced on stout stems are apricot color with golden shadings. Tubers, \$1.00 each.

Bazaar. A large flowering variety; color is soft chrome yellow overlaid with red. Tubers, \$2.00 each.

Ben Wilson. An extra fine variety with long, stiff stems; color, orange-red with gold tipped petals; a most attractive flower. Tubers, \$1.00 each; doz., \$10.00.

Bernice Hurley. Very large scarlet blooms, shading darker towards center; flowers keep a long while after being cut. Tubers, \$3.50 each.

Blue Porthos. The nearest to a blue dahlia yet produced; a beautifully formed lavender blue flower of medium to large size, produced on long, stiff wiry stems. Tubers, 40c. each; doz., \$4.00.

Bonnie Brae. An immense exhibition variety; color a pleasing shade of cream, shading to blush pink. Stems are a little pendant at times, due to the immense flowers. Truly a wonder in delicate shading. Tubers, 50c. each; doz., \$5.00.

Bruno. Extra large flowers produced on long, strong stems; strong grower; free bloomer. Color, a beautiful rose shaded cardinal; flowers often measure 9 inches in diameter. Tubers, \$5.00 each.



Decorative Dahlia, Bashful Giant

California Superba. An immense flower of great depth, with petals long and narrow; a delicate shade of pink without any blue tone, gradually shading to a white center. Tubers, \$2.50 each.

Casper G. Ware. One of the finest new varieties; flowers are large, usually 8 to 10 inches across, regularly formed and produced profusely on long stems; color, bright clear violet rose; an exceptional exhibition variety. Tubers, \$5.00 each.

Champagne. This variety is not only wonderful for its size and rigid stem, but its unique form and coloring and freedom of flowering; color, golden champagne with chamois shadings. Tubers, \$2.50 each.

Chas. Stratton. A blue ribbon winner in the class for large blooms and artistic coloring; flowers deep and massive, keeping well when cut; color, pale gold shaded and tipped rose red; blooms early. Tubers, \$3.50 each.

Chou. Immense well-formed flowers on strong stiff stems; color, tyrian rose, shaded and marked with white early in the season; this shading, however, disappears later. This variety will make a strong appeal to the admirers of giant flowers. Tubers, \$1.00 each; doz., \$10.00.

Single roots of Dahlias mailed free. If 6 of a variety which take the dozen rate are wanted by Parcel Post, add 20c. for postage; if 12 are wanted by Parcel Post, add 30c. for postage.



NEW DECORATIVE DAHLIA

Florence Michell

Tubers will be furnished in April as long as stock permits, after which thrifty green plants will be supplied in May.

PRICE \$5.00 EACH, POSTPAID

MICHELL'S SUPERB DAHLIAS

SELECT DECORATIVE VARIETIES

Color Sergeant. This new decorative variety has created quite a sensation where it has been exhibited at shows. Color, a rich, deep salmon-bronze of one shade, not only a distinctive color, but one of the finest colored dahlias. Excellent habit of growth, with perfect stems. Tubers, \$15.00 each.

David Rust. A beautiful blending of old rose and yellow, giving a most unusual color effect. The blooms have good, full centers and pleasing formation. The stems are all one would want in a dahlia and the keeping qualities are of the best. Tubers, \$3.50 each.

Della V. Potter. A pleasing shade of lavender; some of the flowers have white tips. Tubers, 75c. each; doz., \$7.50.

Dr. H. L. Tevis. A famous prize winner and a variety which is equally as valuable for garden decoration and as a cut flower; color a beautiful shade of soft salmon rose suffused with old gold, shading to a golden apricot in the center; immense flowers on long stems. Tubers, 40c. each; doz., \$4.00.

Eagle Rock Beauty (New). One of the largest of decorative dahlias; a very strong, robust grower; the flowers are produced on long stems; color, amber, pink and cream, making a most beautiful combination; a very attractive variety indeed. Tubers, \$30.00 each.

Earl Williams. A large flowering, fancy variety of splendid form; brilliant crimson scarlet, each petal tipped with white. One of the finest and most attractive of the newer varieties. Tubers, \$1.50 each.

Eastern Star. One of the best of the new varieties; flowers are of good substance and are produced on strong, erect stems; color, beautiful soft saffron yellow with old gold shadings; of vigorous growth and free flowering. Tubers, \$5.00 each.

El Dorado. Plants are of dwarf habit, producing immense golden yellow blooms. One important feature of this variety is the depth of the flower. Tubers, \$4.00 each.

Elite Glory. A most sensational variety; extremely large flowers of a brilliant rich red color, without any apparent purple or maroon shading; flowers remain in good condition a long while after being cut. Strong grower; unusually heavy stem. Tubers, \$10.00 each.

Elizabeth Glendenning. Color, decided oriental, being a pleasing blend of orange, tyrian rose and amaranth pink; large size, good form, full centered, excellent stem. Has been very much admired, and won many prizes at Dahlia Shows. Tubers, \$7.50 each.

Etenard de Lyon. The petals are broad, curled and wavy; flowers large and deep; color, rich carmine rose with a brilliant suffusion difficult to describe. Tubers, 35c. each; doz., \$3.50.

Francis Seaman. Silvery-rose pink; large, finely-formed flowers held erect on fine stems. Tubers, \$2.00 each.

General Pershing. A fine variety, producing large, creamy white flowers, of fine regular form; broad petals, perfectly full. Tubers, 40c. each; doz., \$4.00.

Genevieve Hurley. The blooms are a true decorative type, beautifully formed and held on fine, strong, stiff stems. The coloring is delicate shades of rose madder, shading into a deep cadmium yellow center; a truly beautiful flower. Tubers, \$3.50 each.

Giant Ruby. Beautiful vivid red, classed among the best red Dahlias, enormous flowers with full center, good stem. Excellent for exhibition, also garden decoration. Tubers, \$2.50 each.

Greinberg's Oriental (New). This new variety is a great acquisition to our list of Dahlias; the plants are of strong, vigorous growth and produce on long, stout stems, enormous size flowers; color, a beautiful crimson lake, suffused vermillion. Tubers, \$10.00 each.



Decorative Dahlia, Halvella

Halvella. A beautiful variety of recent introduction; flowers of large size, perfect form and stand erect on long stiff stems; color a beautiful shade of rose pink with a golden sheen; good for both exhibition and cutting. Tubers, \$2.50 each.

Hercules. Quilled enormous flowers, colored tangerine and deep yellow, the reverse of petals shaded tangerine. Exceptionally free bloomer. Tubers, \$1.50 each.

Hortulanus Fiet. An immense flower of wonderful form and beautiful coloring; a beautiful shade of salmon with dainty blending of yellow at base of petals. Tubers, 50c. each; doz., \$5.00.

Insulinde. Immense flowers of a rich, golden orange color and of splendid form; fine for exhibition or cutting; an extra fine variety. Tubers, \$1.00 each; doz., \$10.00.

Jersey Beauty (New). A dahlia without a fault and a sure prize-winner. A perfect bloom is carried high above the foliage on long, strong stems; flowers are of immense size and of a vivid, glowing pink color; a wonderful keeper when cut. Tubers, \$2.00 each.

Jersey's Ideal. An immense bloom of deep lavender, overlaid with a silver sheen. The flowers are carried on good stems, are very large and of splendid formation. A vigorous grower and free bloomer. Tubers, \$10.00 each.

Jersey Jewel. Beautiful mallow pink; very large, long petaled flowers, on good stems. A splendid exhibition variety; flowers can be had nine inches without disbudding. Tubers, \$5.00 each.

Judge Marean. Flowers very large and of perfect decorative shape. The colors changing as the flowers pass through different stages of development, are a combination of glowing salmon pink, red, iridescent orange, yellow and gold, all blending most harmoniously; an early and continuous bloomer on long perfect stems. Tubers, \$1.00 each; doz., \$10.00.

Single roots of Dahlias mailed free. If 6 of a variety which take the dozen rate are wanted by Parcel Post, add 20c. for postage; if 12 are wanted by Parcel Post, add 30c. for postage.

MICHELL'S SUPERB DAHLIAS

SELECT DECORATIVE VARIETIES

93

Kitty Dunlap. This wonderful variety is one of the most popular and should be in every collection. In color it is a delightful shade of amaranth pink shaded purple; the flowers are produced on long stems, measure 8 inches in diameter and full to the center. Tubers, \$1.00 each; doz., \$10.00.

Lady Betty. A large finely formed flower, produced freely on strong, stiff stems; color, creamy white with a pink suffusion, an attractive and lovely color. Tubers, \$1.00 each; doz., \$10.00.

La Mascotte. Entirely distinct in formation and coloring; large blooms of silvery pink, while the reverse of petals are reddish-violet, the petals quilled on first opening, the two-toned effect produced is novel and pleasing, an incessant bloomer on good stems. Tubers 50c. each; doz., \$5.00.

Lyndora. A charming decorative variety; medium yellow with suffusion of amaranth pink on the reverse of petals; flowers very large and of fine form; long, wavy petals which show just enough of the pink in reverse to brighten and illuminate the whole flower, strong grower, good stems. Tubers, \$10.00 each.

Margaret Masson (New). This new variety has been awarded a number of prizes for the largest flower; a wonderful exhibition variety, of a beautiful silvery pink, of great depth and size; flowers are produced on stiff stems; an excellent keeping variety. Tubers, \$5.00 each.

Margaret Woodrow Wilson. A large decorative variety having broad petals well placed, terminating in points making a very thick flower; color, opalescent pink (meaning the reverse of petals are so colored as to reflect a pink tone to the whole flower). Flowers are borne on perfect stems. Tubers, \$7.50 each.

Marie Louise. A very striking variety; large double flowers, which are a beautiful yellow with a faint touch of salmon pink on the outside petals. Tubers, \$2.00 each.

Mephistopheles. As an exhibition flower this variety has no peer; large blooms held perfectly erect on gigantic stout stems, will keep for days at an exhibition and continue to grow. Color, ruby red, showing golden yellow points at the very end of the petals, thereby greatly enhancing its effectiveness. Tubers, \$1.00 each; doz., \$10.00.

Moonlight. Large, massive flowers; light primrose yellow or cream color, strong stems holding the flowers erect. Tubers, \$1.00 each; doz., \$10.00.

Mrs. Alvin A. Parker (Hybrid-Decorative). Beautiful orange-flame; flowers very large on long, stiff stems. A free bloomer and a variety suitable for all purposes; has met with great favor wherever exhibited. Tubers, \$3.00 each.

Mrs. Carl Salbach. One of the best for exhibition purposes, and is also in great demand as a cut flower; immense blooms of a lavender pink color, on long strong stems. Tubers, 50c. each; doz., \$5.00.

Mr. C. H. Dresselhuys (New). A new variety which no doubt will become very popular as it is one of the best pink varieties for cutting; flowers of medium size on long stiff stems, color, soft rose pink with white suffusion towards the tips; an exceptional prolific bloomer. Tubers, 40c. each; doz., \$4.00.



Decorative Dahlia, Mephistopheles

Mrs. Hugo Kind. Extra large flowers of a rich shade of red, bright velvety carmine reflex. Tubers, 75c. each; doz., \$7.50.

Mrs. I. De. Ver Warner. Immense flowers on long stems, are of perfect form and of a lovely mauve pink color; early and free bloomer. Tubers, 75c. each; doz., \$7.50.

Myra Valentine. A wonderful exhibition dahlia; immense flowers on long rigid stems; color, golden bronze; a vigorous grower and free bloomer. Tubers, \$2.50 each.

Patrick O'Mara. Plants of excellent habit, free flowering; color, orange-buff, suffused salmon-red. Tubers, 40c. each; doz., \$4.00.

Pride of Wayne. Produces flowers of enormous size, on stiff stems; rich plum color. A fine exhibition variety. Tubers, \$1.50 each.

Robert Treat. This variety, similar in color to the American Beauty Rose, is different from any other dahlia in shade or color. Plants are strong, healthy growers of spreading habit; flowers from 9 to 10 inches in diameter and 4 inches deep, produced on long, erect stems. Has a wonderful prize record. Tubers, \$2.50 each.

Rodman Wanamaker (Decorative-Peony). A wonderful color effect in autumn shades and tints; buds are light lemon yellow and as each petal expands the color changes to golden salmon with a salmon pink, bronze suffusion. Tubers, \$5.00 each.

Single roots of Dahlias mailed free. If 6 of a variety which take the dozen rate are wanted by Parcel Post, add 20c. for postage. If 12 are wanted by Parcel Post, add 30c. for postage.

MICHELL'S SUPERB DAHLIAS

SELECT DECORATIVE VARIETIES

Rookwood. A distinct variety in every way; heavy dwarf growth; early and free flowering; petals peculiarly curled or twisted; in color a pleasing shade of cerise rose which does not vary the entire season. One of the finest dahlias to date. Tubers, \$3.00 each.

Rosa Nell. A grand decorative variety. The color is a clear, bright rose; the flowers are large and come perfectly full and double until frost; good stems and habit; the color and form are rare and attract immediate attention. Tubers, \$1.00 each; doz., \$10.00.

Sanhicans Monarch. A fine exhibition variety, of a deep Tyrian rose at center of flower, shading to a lighter tone at points of petals; a deep flower that never shows the center, either early or late; free bloomer. Tubers, \$5.00 each.

Serpolette. The flowers of this variety have great size and depth; color, deep lavender with bluish tint; free bloomer. Tubers, \$1.50 each.

Shudow's Lavender. A beautiful lavender decorative variety of exquisite coloring; fine, large flowers held on long, stiff stems well above the foliage; a general favorite; has excellent keeping qualities as a cut flower. Tubers, \$2.00 each.

Sunny Jersey. This variety is an exceptionally free bloomer, with flowers a foot or more above the foliage on erect stems. Petals are broad and flat inclined backward; color, lemon yellow with golden suffusion; a favorite cut flower variety. Tubers, \$2.50 each.

Susan G. Tevis. This variety has a distinctly new color tone, best described as a shade of lilac with a bluish sheen; the blossoms are regularly formed of narrow, flat, pointed petals. Blooms early and continues perfect to the end of the season. Tubers, \$3.00 each.

T. A. Leonard. A large, early flowering variety of a glistening and luminous cerise or crimson-carmine; very free bloomer. Tubers, \$2.00 each.

The Emperor. A large maroon variety of the finest type; the flowers are made up of long flat petals; flowers are of enormous size, borne on long, stiff stems. Tubers, \$1.00 each; doz., \$10.00.

Tom Lundy. A large bold flower with good form and stem; color, crimson-red. Tubers, 40c. each; doz., \$4.00.

Trentonian (New). A giant decorative variety that appeals to anyone. The color is that of an Indian's skin, a wonderful blending of old gold, amber and coppery bronze, the whole forming a flower of great brilliancy, with a center zone of reddish bronze. The broad leathery petals are well placed, making a flower of great lasting qualities. Highly recommended for garden or exhibition. Tubers, \$3.50 each.

Typhinnie. Bright shell pink shading lighter at the tips of the petals; at base and throughout petals, golden yellow; very pretty. Tubers, \$1.00 each; doz., \$10.00.



Decorative Dahlia, T. A. Leonard

Valley Forge. Flowers of enormous size on stiff stems; color, light purple tinted with white. Fine for exhibition and all purposes. Tubers, \$2.00 each.

Venus. Creamy white, suffused lavender; a low growing bush with flowers carried well above the foliage on long stems; a profuse bloomer; excellent keeper. Tubers, 75c. each; doz., \$7.50.

Whopper. A giant decorative variety with well-built, deep flowers on tall, strong stems; color, yellow-buff suffused with orange. Tubers, 40c. each; doz., \$4.00.

Wizard of Oz. One of the finest dahlias in existence; of large size and fine form; very profuse bloomer; color, a rare shade of glowing amber pink or soft salmon shades. Tubers, \$2.50 each.

Zeus (Decorative-peony). A new and wonderful variety. It has not only size and a cane stiff stem, but beautiful form; color, a wonderfully rich, glowing red, each petal distinctly tipped yellow; a very attractive variety; continuous bloomer. Tubers, \$5.00 each.

Single roots of Dahlias mailed free. If 6 of a variety which take the dozen rate are wanted by Parcel Post, add 20c. for postage; if 12 are wanted by Parcel Post, add 30c. for postage.

MICHELL'S SUPERB DAHLIAS

SELECT HYBRID CACTUS VARIETIES

95

Alaskan Yukon (New). One of the best yellow hybrid cactus varieties, a clear yellow; flowers large, well formed and produced on good stems; free bloomer. Tubers, \$7.50 each.

Cigarette. A distinct and novel variety and very attractive. In color it is a creamy white heavily edged with orange red with color variations; petals are long and narrow and inclined to roll, forming a large, deep, well-shaped flower on long stems. Tubers, \$1.50 each.

Daddy Butler. An exceptionally fine exhibition variety; petals rolled; the color is of the American Beauty rose shades, or rosy carmine, with the reverse of the petals a lighter tint; a profuse bloomer. Tubers, \$2.00 each.

Emma Marie (New). Clear violet rose with creamy white center; large flowers on straight stems; fine for exhibition and a wonderful cut flower on account of its good keeping qualities. Tubers, \$3.00 each.

Esther R. Holmes. A wonderful orchid pink variety and a prize winner; a most graceful flower on good stems; excellent for cutting. Tubers, \$1.50 each.

Francis Lobdell. Flowers large and of perfect form; color, mallow pink shading to white in the center. A wonderful free bloomer; a splendid bedding variety, as well as for exhibition. Tubers, \$2.00 each.

George Walters. Salmon pink suffused with gold at center; large flowers produced freely on long stems. Tubers, 60c. each; doz., \$6.00.

Gladys Sherwood. An immense white prize winning Dahlia; very deep and full to the center; long, wide, pointed petals; recommended for the show or garden. Tubers, 75c. each; doz., \$7.50.

Helen Durnbaugh. Flowers of good size, very double and of fine form; early and free bloomer; color a delicate blush, deepening to a soft rose toward the centre. Tubers, 50c. each; doz., \$5.00.

Ingleside. A true pink and a very fine variety; flowers produced on long stems; free bloomer. Tubers, \$1.00 each; doz., \$10.00.

Islam Patrol. Very dark velvety scarlet, tipped and flushed with gold. Wonderful long stems; especially fine keeper for exhibition purposes. Tubers, \$1.50 each.

Ismaia. Velvety maroon shading to red; very large, splendid form, good stem, doubtless one of the best of its color. Tubers, \$2.00 each.

Jean Chazot. An autumn tinted variety of splendid hybrid cactus form; color a beautiful golden bronze slightly suffused Nasturtium red; blooms early and continuous; a fine exhibition variety and excellent for cutting. Tubers, 60c. each; doz., \$6.00.

Mariposa. Beautiful shade of true pink; center intensified and suffused with a faint violet, which adds to the beauty of this variety; narrow, incurved petals; a sturdy grower and a great favorite. Tubers, \$2.50 each.

Moorestown Melody. A very large, long petalled Hybrid Cactus variety, of the type so much wanted. Color is golden orange, with tints of golden amber; early and free bloomer. Strong plants producing large flowers even without disbudding. Tubers, \$10.00 each.

Mrs. Henry T. Halladay, Jr. Large flowers on stiff wiry stems; color, dull crimson dusted with silver. Tubers, \$1.00 each; doz., \$10.00.

Mt. Shasta. A light shell pink with a faint tinge of yellow showing towards the center; an extra fine, full deep flower of large size. A fine all purpose dahlia. Tubers, \$1.00 each; doz., \$10.00.

Oberon. An entirely new coloring; a deep old rose with a pronounced violet suffusion; immense flowers produced freely. Tubers, \$2.00 each.

Paul Michael. A large, attractive exhibition variety; beautifully formed petals which are pointed, curled and twisted; color, pure gold, shaded orange-buff at center. Tubers, \$1.50 each.



Hybrid Cactus Dahlia, Daddy Butler

Pensauken. A very attractive variety; color, orange salmon; flowers large and attractive. Tubers, \$1.00 each; doz., \$10.00.

Rosalada. An entirely new color in dahlias and rather difficult to describe; amber, brown or coffee will give some idea of the color. The large blooms are very graceful in formation and are held perfectly above the medium tall plants, on straight stiff stems. Tubers, \$5.00 each.

Ruth Phillips. A very choice yellow variety, suitable for both garden and show purposes. Tubers, \$1.00 each; doz., \$10.00.

Siskiyou. Pink tinged mauve; one of the largest varieties ever originated; has created a sensation wherever exhibited. Tubers, \$3.50 each.

Snowboy. Pure, clear solid white; petals closely rolled and well placed; center is well formed and holds well throughout the season; flowers large, 6½ to 7½ inches in diameter; a good grower and free bloomer; excellent for cutting. Tubers, \$7.50 each.

Theodore Roosevelt. A new and attractive Dahlia which has proven itself worthy of a place among the best. The flowers, which are large, measuring seven inches across, are a beautiful shade of lemon yellow, deepening towards the center, which is splendid, often hidden by a wealth of incurved petals. A free bloomer, flowering profusely; well set above the foliage on long, wiry and stiff stems. This variety will be found acceptable for all purposes. Tubers, \$2.50 each.

Wissahickon. A splendid new variety; red tipped buff; eight inches across and produced freely on good stems. Tubers, \$1.00 each; doz., \$10.00.

Single roots of Dahlias mailed free. If 6 of a variety which take the dozen rate are wanted by Parcel Post, add 20c. for postage; if 12 are wanted by Parcel Post, add 30c. for postage.

MICHELL'S SUPERB DAHLIAS

SELECT CACTUS VARIETIES

Ambassador. Soft yellow buff shaded salmon pink, splendid full center of canary yellow; large flowers measuring nine inches in diameter and held erect above foliage on strong stems. A strong grower and free bloomer. Tubers, \$2.00 each.

Attraction. A gigantic variety and one of the best cut flower sorts; a deep full flower of a clear lilac rose; long, stiff stems. Tubers, 40c. each; doz., \$4.00.

Betty Austin. Rosy carmine, shading yellow at base and tips of petals; flowers held well above the foliage on erect slender stems. Tubers, 50c. each; doz., \$5.00.

Cinderella. An immense cactus variety of fine form, on long, stiff stems. The color is pale salmon or fawn pink shading to a tan center. Tubers, \$3.00 each.

El. Granada. Color a vivid orange; the petals twist and interlace, showing at the tips a creamy yellow reverse. The long, stiff stems grow well out of the foliage. Tubers, \$5.00 each.

Ellis A. Gimbel. An extremely large cactus dahlia of beautiful form; the color is a clear chamois, without tinting or shading. The bushes are strong and vigorous and the stems long; a very graceful variety. Tubers, \$3.50 each.

F. W. Fellows. The flowers are of unusual size for the long, narrow-petaled type; color, orange scarlet; this variety should be in every collection. Tubers, 40c. each; doz., \$4.00.

Kalif. Flowers of perfect cactus form and very large; color, pure deep scarlet; an old favorite and a good cut flower. Tubers, 40c. each; doz., \$4.00.

Lolita Velasco. Truly a perfect white cactus; extremely long petals; excellent center and immense size. Tubers, \$2.00 each.

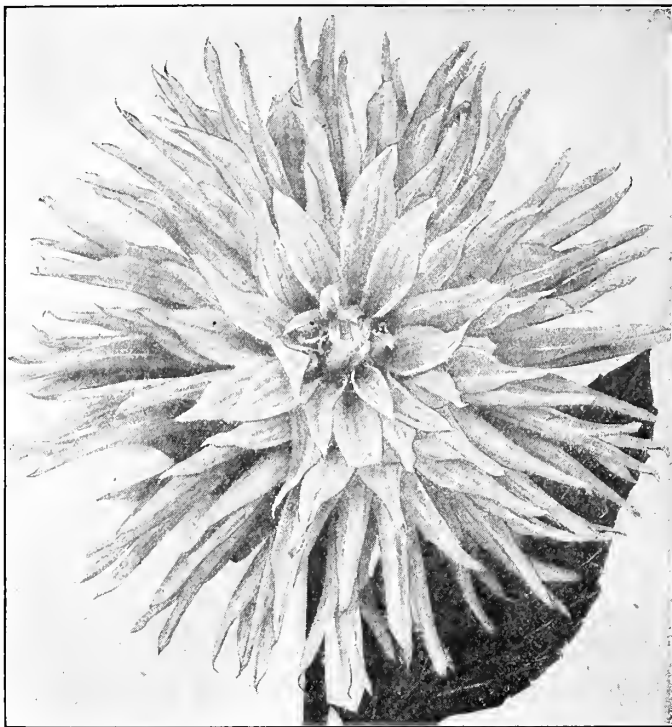
Margaret Bouchon. A magnificent, large full flower; a charming shade of soft rose pink with white center. A good dahlia for all purposes. Tubers, 40c. each; doz., \$4.00.

May Griffe. A very fine pink dahlia. Excellent for the garden or exhibition purposes. Tubers, \$1.50 each.

Mrs. C. H. Breck. Yellow shaded old rose; large flowers. Tubers, 35c. each; doz., \$3.50.

Mrs. Edna Spencer. Large flowers of a most delicate lavender pink color with white suffusion; one of the best for cutting. Tubers, 40c. each; doz., \$4.00.

Mrs. Ethel F. T. Smith. Creamy white, shading to a lemon tint in the center. Immense flowers held well above the foliage on strong stems. Tubers, 75c. each; doz., \$7.50.



Cactus Dahlia, Ambassador

Mrs. Leo Niessen. A very fine cut flower variety; perfectly full flowers, yellow at base, suffused and tipped a rich bronzy red. Tubers, 35c. each; doz., \$3.50.

Papillon. A beautiful shade of old rose with golden lights; flowers large and a fine exhibition variety. Tubers, \$2.00 each.

Pink Rosebud. A very choice pink variety; fine for cutting. Tubers, \$1.00 each; doz., \$10.00.

Skagerrak. This beautiful, clear lemon yellow has flowers which under ordinary field culture, measure 7 inches in diameter. Elegant form, the long petals making a deep, gracefully shaped flower, always full to the center. Tubers, \$2.00 each.

Snowdrift. Giant, pure white deep flowers with broad waxy petals; long, strong stems. Tubers, 60c. each; doz., \$6.00.

Sunset Glow. A profuse bloomer, which holds a full center and good growing habits. One of the pleasing autumn shades, yellow at base of petals, suffused scarlet and tipped yellow. Tubers, 50c. each; doz., \$5.00.

Sydney Jones. A fine cactus variety; the florets are long and very narrow; color a clear, deep pink, with shadings of yellow at base, tips of petals white. Tubers, \$2.00 each.

Valiant. Crimson-scarlet in color; fine for exhibition or the garden. Tubers, 60c. each; doz., \$6.00.

Wodan. Long, gracefully twisted petals of a pleasing delicate salmon-rose color, shading to old gold in the center. Tubers, 40c. each; doz., \$4.00.



Cactus Dahlia, Attraction

Single roots of Dahlias mailed free. If 6 of a variety which take the dozen rate are wanted by Parcel Post, add 20c. for postage; if 12 are wanted by Parcel Post, add 30c. for postage.



Show Dahlia, Maud Adams

SELECT SHOW VARIETIES

These are the old-fashioned quilled double flowers and are still popular with many.

Dreer's Yellow. A beautiful rich yellow of perfect form; blooms well above the foliage. Tubers, 40c. each; doz., \$4.00.

E. P. Jewel. A splendid large flowering variety; color, garnet. Tubers, 35c. each; doz., \$3.50.

Garden City. Color, maroon and pink; blooms freely; flowers large and showy. Tubers, \$1.00 each; doz., \$10.00.

Gold Medal. Deep golden yellow, tipped and suffused oriental red; splendid form; very striking and effective. Tubers, 40c. each; doz., \$4.00.

Kissimmee. Color, a wonderful blending of yellow, gold and ochre; reflex pale amaranth pink; petals partially quilled. Excellent for exhibition, garden or for cutting. Tubers, 50c. each; doz., \$5.00.

Maud Adams. White with delicate lavender suffusion; a very free flowering variety. Tubers, 35c. each; doz., \$3.50.

SELECT PEONY VARIETIES

This type of dahlia has become very popular; they are of large size, with broad petals, which are generally curled and twisted.

Barbara Latz. Very large and a free bloomer; fine upright stems; color, a soft yellow tone, very showy. Tubers, \$1.00 each; doz., \$10.00.

Cleopatra. Exceedingly large flowers, produced on long wiry stems, which gracefully bend over slightly, yet hold up their heads, proud of their beauty and form. The color is a fine shade of yellow, the reverse of the petals being a tangerine shade. Tubers, 50c. each; doz., \$5.00.

SELECT PEONY VARIETIES—Continued

Glory of Nijkerk. Large, attractive flowers; in color cerise to purple violet. Tubers, 40c. each; doz., \$4.00.

Mrs. David M. Sherk (New). Enormous flowers of cream suffused with cerise, a beautiful combination of colors; good stems; free bloomer and excellent keeper; a good exhibition variety. Tubers, \$5.00 each.

Mrs. J. T. Marean. Flowers of extra large size, carried on wiry stems; color, beautiful old rose, with golden shadings at base of petal; profuse bloomer and vigorous grower. Tubers, \$2.50 each.

The Screamer. The coloring is violet purple, suffused mauve; the giant flowers are held on long stems. Tubers, \$1.00 each; doz., \$10.00.

Queen Elizabeth. A perfectly formed flower of a clear violet rose. Tubers, 35c. each; doz., \$3.50.

Vivandiere. Cerise carmine, shading lighter at the tips of the petals; the flower has a velvety texture, making it very desirable; free bloomer; good stems. Tubers, \$1.00 each; doz., \$10.00.

SELECT POMPON VARIETIES

Klein Domitea. Salmon buff; of fine form and a profuse bloomer. Tubers, 25c. each; doz., \$2.50.

Little Jewel. A small pink variety; very attractive and excellent for cutting. Tubers, \$1.00 each; doz., \$10.00.

Rothaut. Color a beautiful red; medium size flower. Tubers, 25c. each; doz., \$2.50.

SELECT COLLARETTE VARIETIES

Albert Maumene. Velvety crimson purple, margined white, collar white. Tubers, 25c. each; doz., \$2.50.

Maurice Rivoire. A medium flower with broad petals. Rich crimson maroon with white fringed collar. Tubers, 25c. each; doz., \$2.50.

Traymore. Bright red with yellow collar. Tubers, 25c. each; doz., \$2.50.

SELECT SINGLE VARIETIES

Apple Blossom. A beautiful light pink. Tubers, 25c. each; doz., \$2.50.

Gloxinia. In marking and brilliancy of color, resembles the gloxinia so much as to suggest the name; a beautiful combination of colors. Tubers, 25c. each; doz., \$2.50.

Nymphaea Century. Flowers white, shading to yellow toward the center. Tubers, 25c. each; doz., \$2.50.

Praxatillis. Maroon tipped white. Tubers, 25c. each; doz., \$2.50.

DAHLIAS TO COLOR

Though named sorts, these are not labeled to variety, furnished in the following types and colors:

	Each	Doz.
Pink. Cactus, Decorative and Show.....	\$0.25	\$2.50
Red. Cactus, Decorative and Show.....	.25	2.50
White. Cactus, Decorative and Show.....	.25	2.50
Yellow. Cactus, Decorative and Show.....	.25	2.50

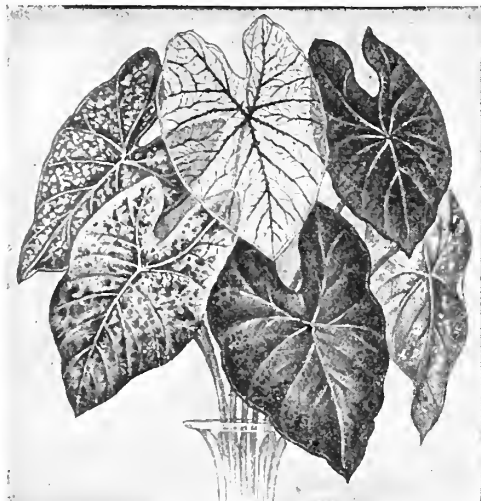
Please specify which type you desire when ordering.

Single roots of Dahlias mailed free. If 6 of a variety which take the dozen rate are wanted by Parcel Post, add 20c. for postage; if 12 are wanted by Parcel Post, add 30c. for postage.

MICHELL'S MISCELLANEOUS SUMMER-FLOWERING BULBS

FANCY LEAVED CALADIUMS

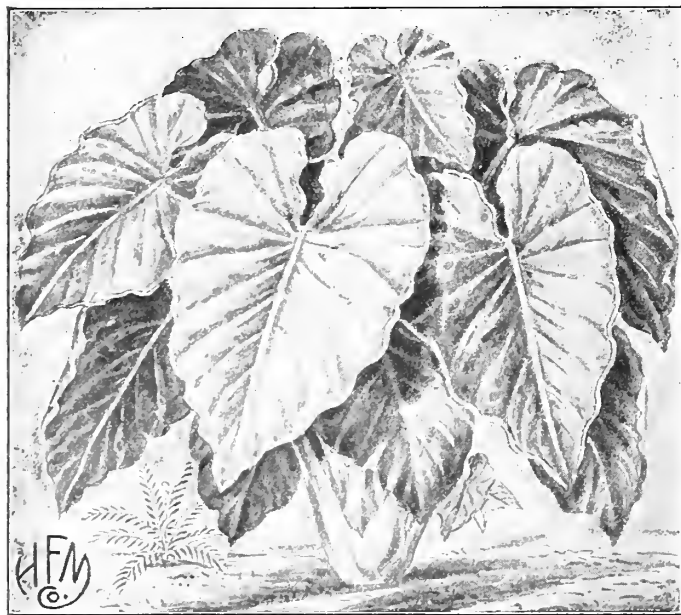
These are grown for us by one of the leading Hybridizers in the world. They are the most charming conservatory plants. Being of a tropical nature, they like a warm temperature. They do quite well outdoors during the summer, if planted in a shaded place. The foliage covers a wide range of colors, making a grand display. The bulbs should be started in moss with plenty of bottom heat.



Fancy Leaved Caladiums

Price of Fancy Leaved Caladiums, strictly first size bulbs, in named varieties. 35c. each; doz., \$3.50 (by parcel post, \$3.60); \$20.00 per 100.

Mixed Varieties. 30c. each; doz., \$3.00 (by parcel post, \$3.10); \$18.00 per 100.



Caladium Esculentum

CALADIUM ESCULENTUM (Elephant's Ear)

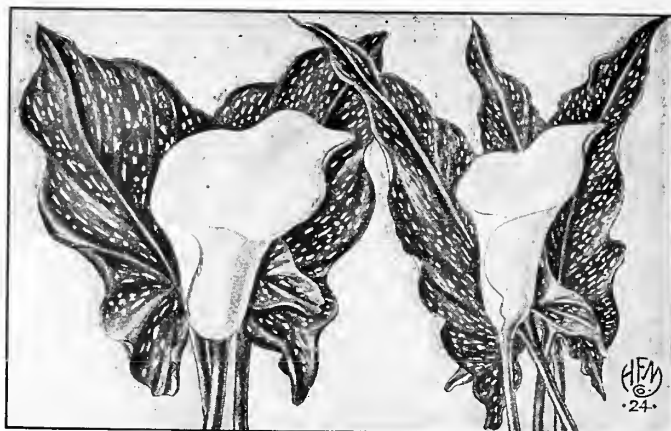
As centerpieces in flower beds Caladiums are fine. They make an excellent edging for tall-growing plants. Do not plant outdoors until after May 1st, but to get them in early growth, they may be started indoors.

	Each	By P.P.	Doz.	By P.P.
Monster Bulbs , 12 in. circum. and up . . .	\$0.50	\$0.60	\$4.00	\$4.35
Mammoth Bulbs , 9-11 in. circum. . . . .	.25	.35	2.75	3.00
First Size Bulbs , 7-9 in. circum. . . . .	.20	.25	2.00	2.20

CANNAS (See Page 91)

CINNAMON VINE

Free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. Extra strong roots, 10c. each; doz., \$1.00 (by parcel post, \$1.10); \$7.00 per 100.



Yellow Calla

Spotted Calla

CALLAS

Splendid as a pot-plant for the window garden or for growing outdoors, preferring a shaded location. May be started inside any time prior to May 1st, after which they can be safely planted out.

Each Doz. 100

Elliottiana. Yellow flower as large as the common white Calla; spotted leaf.

First Size Bulbs.	\$0.30	\$3.00	\$20.00
Mammoth Bulbs. . . . .	.40	4.00	30.00

Spotted. Flowers white; foliage green, spotted white35 3.50 22.50

If wanted by parcel post, add 15c. per doz. for postage.



Gloxinias

GLOXINIAS (Ready in January)

A gorgeous plant either for the conservatory or garden. They prefer a moist soil and a shady situation. Bulbs may be started as early as January, but should not be set outdoors until after May 15th. We offer extra fine large bulbs.

If wanted by Parcel Post, add 10c. per doz., 25c. per 100, for postage. Single bulbs mailed free.

	Each	Doz.	100
Purple	\$0.35	\$3.50	\$25.00
Rose . . . . .	.35	3.50	25.00
Choice Mixed Colors . . . . .	.35	3.50	25.00

MICHELL'S SUPERB GLADIOLI

NEW AND RARE VARIETIES

99

This list comprises some of the best varieties of the new introductions and are noted for their vigorous growth, large size and wonderful colorings. It goes without saying that we can supply bulbs of the very best quality.

If Gladioli Bulbs are wanted by Parcel Post, add 10c. per doz.; 30c. per 100 for postage; larger quantities by express.

Byron L. Smith. White, very delicately suffused light mallow-purple, deeper at outer edge of petals; throat marguerite-yellow with etchings of mallow-purple at base. This variety is often referred to as the "Orchid Colored Glad." It grows with good form and the stems are rather slender which adds to its grace. This variety is the best of its color.

10c. each; doz., \$1.00; \$7.50 per 100.

Butterboy. A large buttercup-yellow Primulinus Hybrid, having unusually good form, long graceful spikes, with many flowers open and well placed. This is an exceptionally good variety and should be in every collection.

15c. each; doz., \$1.50; \$10.00 per 100.

Crimson Glow. Scarlet-red, slightly stippled with primrose-yellow in throat, overlaid with a velvety scarlet blotch. Considered the best of the moderate priced reds. It has large wide open flowers with enough open at a time to make it attractive. Has good form and keeps well as a cut flower.

10c. each; doz., \$1.00; \$7.50 per 100.

Dr. J. H. Neeley. White slightly tinted with light cameo-pink, throat cream-white shaded to a very soft light shade of canary-yellow. One of the most delicately colored Gladioli ever introduced. Tall massive spike of good form. It has plenty of vigor and the stems are slender and graceful. The best of its class.

35c. each; doz., \$3.50; \$25.00 per 100.

Dorothy McKibbin. Rose-pink shading to pale pink in throat. Outer edges and reverse of petals deep rose pink flaked with rose-red. Throat delicately blotched with rose-red. A very attractive early blooming variety that is very popular as a cut flower.

10c. each; doz., \$1.00; \$7.50 per 100.

Fair Columbian. Mallow purple, shading lighter in throat, lower petals striped white and bordeaux in throat. A magnificent flower produced on tall, stately spikes, well set above foliage, many blooms opening at one time. Excellent for forcing, flowering very early.

15c. each; doz., \$1.25; \$8.50 per 100.

Fern Kyle. Marguerite-yellow, with primrose-yellow throat. Very slightly marked amaranth-purple. Very large, wide open, of the finest quality; highly ruffled. A splendid show variety. Winner of many prizes.

75c. each; doz., \$7.50; \$55.00 per 100.

Indian Maid. Rose-pink shading to deep-rose pink in throat; good form with plenty of vigor. Flowers of medium size, and good form, 4 to 5 open at a time and the color very pleasing.

20c. each; doz., \$2.00; \$15.00 per 100.

Lustre. Scarlet-red, suffused nopal-red. A large, wide-open flower, with many open at a time. A gorgeous spike of solid red. This is surely one of the best of the red class.

20c. each; doz., \$2.00; \$15.00 per 100.



Gladiolus, Fair Columbian

Mary Pickford. A pure white with a light suffusion of primrose-yellow in throat. This variety may be known as the Albino of the Gladioli family, as the spike including stem and calyx of the florets is a creamy white, this gives the flower a purity of color that is unexcelled; very distinct and beautiful.

10c. each; doz., \$1.00; \$7.50 per 100.

Mrs. F. C. Peters. This wonderful new variety is certainly one of the best of the recent introductions. A beautiful shade of rose-lilac with a soft crimson blotch. It has many flowers open at a time and splendid form. A strong grower. Very late.

25c. each; doz., \$2.50; \$20.00 per 100.

Purple Glory. Tyrian-rose suffused amaranth-purple. Throat a very dark velvety purple, slightly flaked pansy-purple. A very large, strong growing variety that is conceded to be the best in its class. The most popular of the Glory Type.

25c. each; doz., \$2.50; \$20.00 per 100.

Remembrance. Geranium pink shading to rose-doree at outer edges; throat blotched pomegranite-purple; slightly ruffled; many flowers open at a time and with good long stems which make it an exceptionally good cut flower variety, that is popular in the flower market.

20c. each; doz., \$2.00; \$15.00 per 100.

Scarlano. Scarlet blotched ox-blood red in throat; a very brilliant color and an extra fine variety of good form and habits. One of the best sellers for cut flowers.

10c. each; doz., \$1.00; \$7.50 per 100.

Snow Glory. A very fine ruffled pure white variety with just a trace of violet in throat. This is a very large showy flower of good form and plenty of vigor. Should be in every collection.

\$1.00 each; doz., \$10.00; \$75.00 per 100.

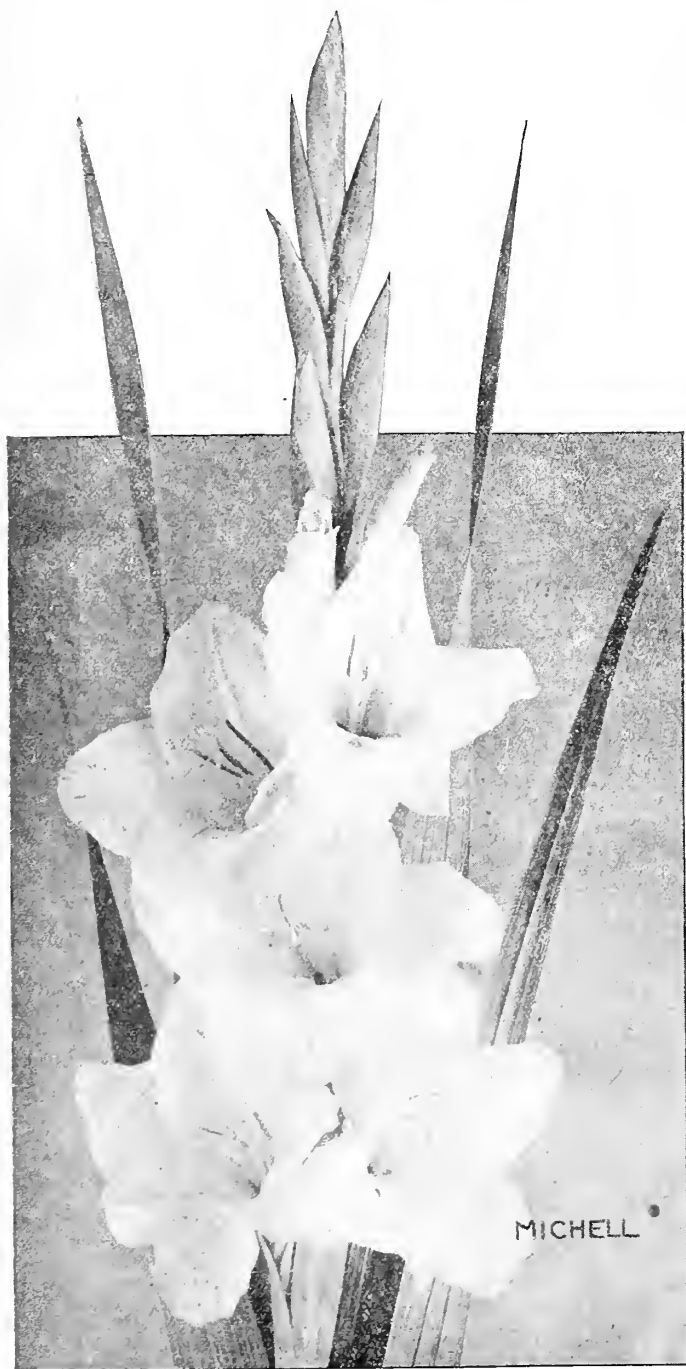
Violet Beauty. Mallow-purple flaked rhodamine-purple, shading to light mallow-purple. Throat primrose-yellow blotched pomegranite-purple. Mid rib creamy white. Well ruffled and branched. Flowers have good form and medium long stems. The best of its color.

15c. each; doz., \$1.50; \$10.00 per 100.

MICHELL'S SUPERB GLADIOLI

There is no other Summer flowering bulb that is enjoying so great popularity as that of the Gladioli. Their adaptability to garden decoration or to use as cut flowers during the Summer and early Autumn is surpassed by no other flower. They are not only showy in the garden but when cut with the first flower open, will last for 10 days in the house. They thrive in almost any good garden soil but better results may be had if soil is well prepared and enriched with some of our pulverized manures. Great improvements have been made in the size, color and beauty of these flowers. Our list comprises the best of recent introductions as well as the most popular of the earlier introductions. Plant bulbs 4 inches deep and from 4 to 6 inches apart.

If Gladioli Bulbs are wanted by Parcel Post, add 10c. per doz., 30c. per 100, for postage; larger quantities by express.



Gladiolus, Golden Measure

America. One of the best Gladioli in existence. The color is a beautiful flesh pink, tinged with lavender. The flowers are of the largest size, the petals are round, thick and strong and will last a long time after being cut. A very free bloomer. 8c. each; doz., 75c.; \$4.50 per 100.

Anna Eberius. An extra fine variety and one that is destined to become very popular; a self-color of rich velvety purple with a deep purplish red blotch on the lower petals; flowers large, on long spikes. 10c. each; doz., \$1.00; \$7.50 per 100.

Baron Hulot (Blue King). Large full round flowers, well arranged on long spikes. Color is a deep indigo blue, slightly marked white at the base of the throat. A variety used for contrasting with the yellow sorts. 12c. each; doz., \$1.25; \$8.00 per 100.

Chicago White. One of the leading varieties for cut flower purposes. Pure white with lavender markings in the throat; early blooming; several flowers open at one time. 8c. each; doz., 75c.; \$4.50 per 100.

Early Sunrise. Flowers are extra large, bright salmon scarlet with pencil of cream through center of petals, extremely early and a fine variety for cutting. 15c. each; doz., \$1.50; \$10.00 per 100.

E. J. Shaylor. A tall, strong growing, vigorous variety with large flowers; color, a beautiful shade of pure deep rose-pink with well ruffled edges; one of the best of its color. 15c. each; doz., \$1.25; \$8.50 per 100.

Evelyn Kirtland. Flowers of strong substance; color, a beautiful shade of rosy pink, darker at the edges, fading to shell pink at the center, with scarlet blotches on lower petals, the entire flower showing a glistening, sparkling lustre. Very tall spike. 10c. each; doz., \$1.00; \$7.50 per 100.

Flora. A new golden yellow variety; a strong grower with large spikes of flowers of immense size; considered one of the best yellows and a splendid cut flower variety. 15c. each; doz., \$1.35; \$9.00 per 100.

Golden Measure. Tall and vigorous spike with many large, dark orange yellow flowers; several of the flowers are in bloom at one time; a winner at exhibitions. 15c. each; doz., \$1.50; \$10.00 per 100.

If Gladioli Bulbs are wanted by Parcel Post, add 10c. per doz., 30c. per 100, for postage; larger quantities by express.

Halley. A variety that is largely grown on account of its earliness. Very large, well expanded flowers of a lovely salmon pink; the lower segments are blotched yellow with carmine markings; robust grower. 8c. each; doz., 75c.; \$5.00 per 100.

Herada. Blooms of immense size on tall straight spikes; the color is pure mauve, glistening and clear with deeper markings in throat. An unusual color and very effective as a cut flower, 10c. each; doz., \$1.00; \$7.50 per 100.

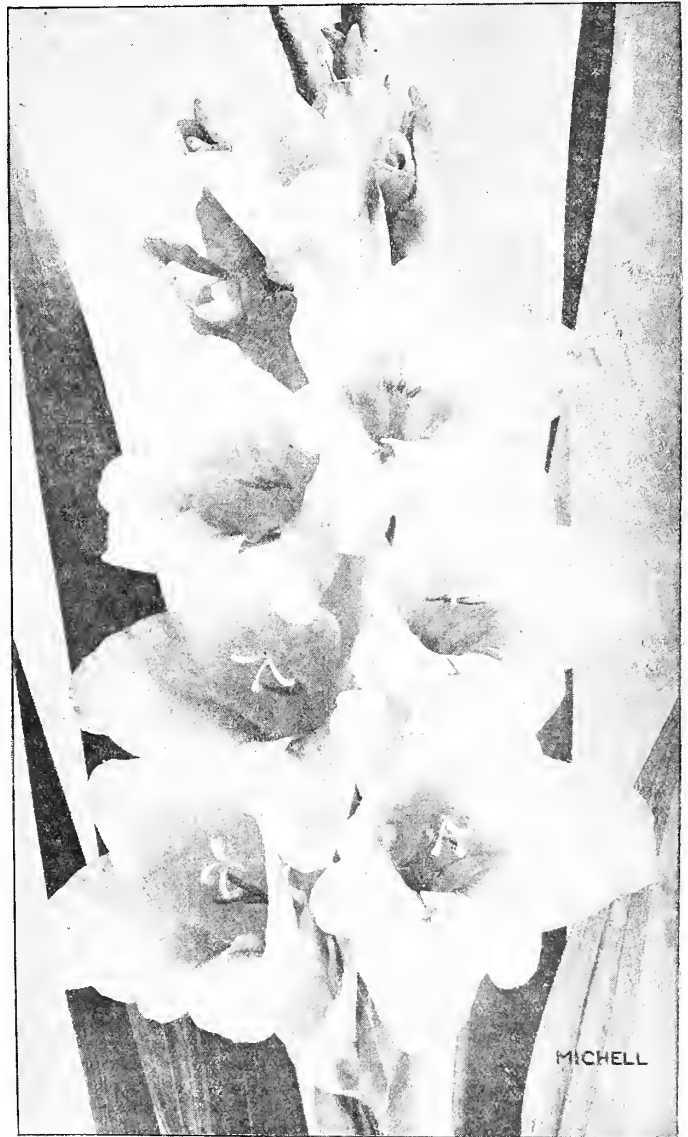
Le Marechal Foch. One of the most wonderful novelties; flowers of immense size, well opened and beautifully ruffled; color, salmon pink, flaked and striped deeper at edges of petals. It is a most unusual and striking flower and is universally admired. 8c. each; doz., 75c.; \$4.50 per 100.

Lily White. A recent introduction with large, pure white blooms, many of which are open at a time; grows to a good height; excellent as a cut flower for the garden. 10c. each; doz., 90c.; \$6.00 per 100.

L'Immaculee. Pure white; early; large spikes; tall strong grower; fine for cutting; many blooms open at one time. 12c. each; doz., \$1.25; \$8.00 per 100.

Louise. The large well formed flowers are a beautiful shade of lavender like the delicate orchid so much admired; vigorous, healthy and free flowering. This variety is a decided acquisition. 15c. each; doz., \$1.50; \$10.00 per 100.

Myrtle. A beautiful soft pink; early flowering; distinctive in form and color; flowers large. A very attractive variety. 10c. each; doz., \$1.00; \$7.50 per 100.

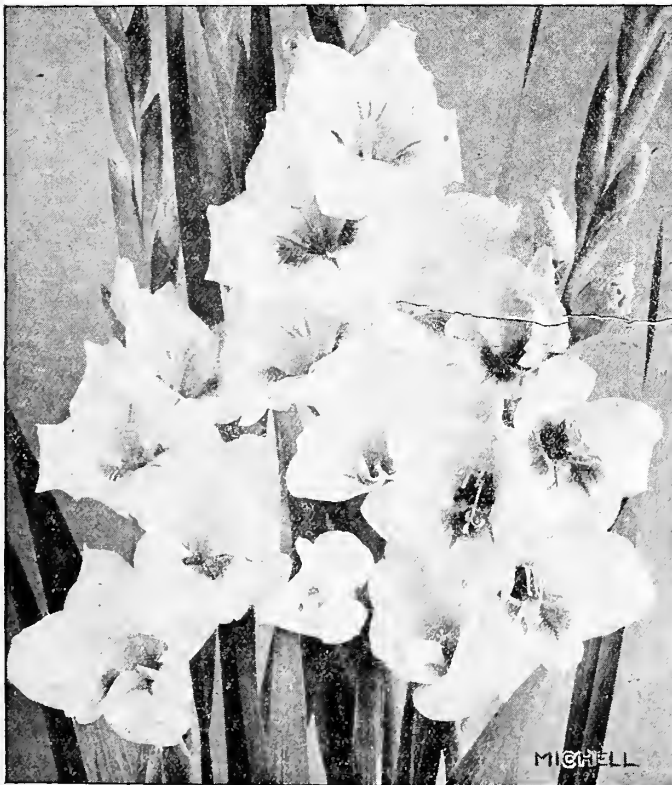


Gladiolus, Herada

Mrs. Dr. Norton. Very large flowers well set on a tall and graceful spike with 4 to 8 flowers in bloom at one time. Color, white, with edges of petals suffused with soft La France pink; the beauty of this flower is in the soft harmonious blending of wonderful tints; a very choice variety. 10c. each; doz., \$1.00; \$7.00 per 100.

Mrs. Francis King. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time; a popular variety on account of its attractive color. One of the most exquisitely colored and formed Gladiolus in our list. 8c. each; doz., 75c.; \$5.00 per 100.

Mrs. Frank Pendleton, Jr. The color is a delicately flushed salmon pink, extending to the reverse side of the petal. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. 10c. each; doz., 90c.; \$6.00 per 100.



Gladiolus, Mrs. Frank Pendleton, Jr.

MICHELL'S SUPERB GLADIOLI

If Gladioli Bulbs are wanted by Parcel Post, add 10c. per doz., 30c. per 100, for postage; larger quantities by express



Gladiolus, Niagara

Niagara. A shade of rich cream combined with canary yellow; the throat is splashed with carmine; the individual flowers are very large and are borne in pairs, one opposite the other. 10c. each; doz., \$1.00; \$7.00 per 100.

1910 Rose. Extra large flower; color, pure rose pink; exceptionally fine; early and a good forcer. 10c. each; doz., \$1.00; \$7.00 per 100.

Panama. For form and habit this has all the desirable features of the variety "America," but the wonderful color can best be described with that of the popular rose, "Mrs. Jno. Laing," an incomparable rose pink. Flowers very large on long spikes. 8c. each; doz., 75c.; \$5.00 per 100.

Peace. A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows enormous flowers, well placed all along the stem. 8c. each; doz., 75c.; \$5.00 per 100.

Prince of Wales. Beautiful salmon-pink, the delicate tint being practically without any markings in throat; flowers large and well placed; an early flowering sort. 10c. each; doz., \$1.00; \$6.50 per 100.

Schwaben. Strong, erect spikes and large, well expanded flowers of a clear canary yellow; a magnificent cut flower, because the flowers all open pretty much at one time. 8c. each; doz., 75c.; \$5.00 per 100.

War. This is undoubtedly one of the largest flowered sorts and the finest of its color yet introduced; deep red, shaded crimson and showing 4 to 6 blooms at one time. A magnificent variety. 10c. each; doz., \$1.00; \$7.50 per 100.

Wilbrink. An early flowering variety with attractive flesh pink flowers, with creamy white blotch on lower petals; a favorite variety for cutting. 10c. each; doz., 90c.; \$6.00 per 100.

Yellow Hammer. An exceedingly popular variety. Rich, deep yellow, slightly marked with red in the throat. Flowers extra large; excellent for cutting. 10c. each; doz., \$1.00; \$7.00 per 100.

UNNAMED GLADIOLI (In Separate Colors)

	Doz.	100
White and Light.....	\$0.75	\$4.50
Yellow and Orange.....	.85	5.50
Red.....	.75	4.50
Pink.....	.75	4.50

MIXTURES OF GLADIOLI

Michell's Giant Flowering. Every bulb for this mixture has been selected with the utmost care for coloring and size of flower; no other mixture can boast of such careful selection. Per doz., 75c.; \$5.00 per 100.



Gladiolus, Peace

MICHELL'S GLADIOLUS BULBS



GIANT FLOWERING VARIETIES

For complete list and prices,
see Gladiolus section of this
catalog.

MICHELL'S SUPERB GLADIOLI

PRIMULINUS HYBRID VARIETIES

This popular type of Gladioli has been greatly improved with the last few years. The flowers are of distinct form and possess the clearest tones and tints of color to be found. The spikes are very tall and graceful, sometimes reaching the height of 5 feet. Especially valuable for cutting for vases and table decorations for which they excel all other Gladioli. They branch freely and show blooms for a long period.

If Gladioli Bulbs are wanted by Parcel Post, add 10c. per doz., 30c. per 100, for postage; larger quantities by express.



Gladioli, Primulinus Hybrids

Alice Tiplady. Tall, straight spikes with ten to twelve blooms; immense flowers of a bright, orange saffron color; a very showy, magnificent flower; one of the largest and finest of the Primulinus varieties. 10c. each; doz., \$1.00; \$6.50 per 100.

Altair. An extra fine variety; tall growing; color a beautiful salmon-saffron, an entirely new shade and very beautiful. 10c. each; doz., \$1.00; \$6.50 per 100.

Canary Bird. Large flowers of a beautiful canary yellow color; a very attractive variety. 10c. each; doz., 90c.; \$6.00 per 100.

Dorothy Wheeler. This is of the same form as Alice Tiplady, but taller in growth; color, a most beautiful rose-pink; slightly ruffled with lighter throat; many flowers open at once; an easy forcing variety. 15c. each; doz., \$1.35; \$9.00 per 100.

Jewel. Light salmon pink with golden yellow blotch. 20c. each; doz., \$2.00; \$10.00 per 100.

Maiden's Blush. Beautifully formed flowers on long stems; early flowering; color, enchantress pink; a very dainty flower on graceful spikes. 10c. each; doz., \$1.00; \$7.00 per 100.

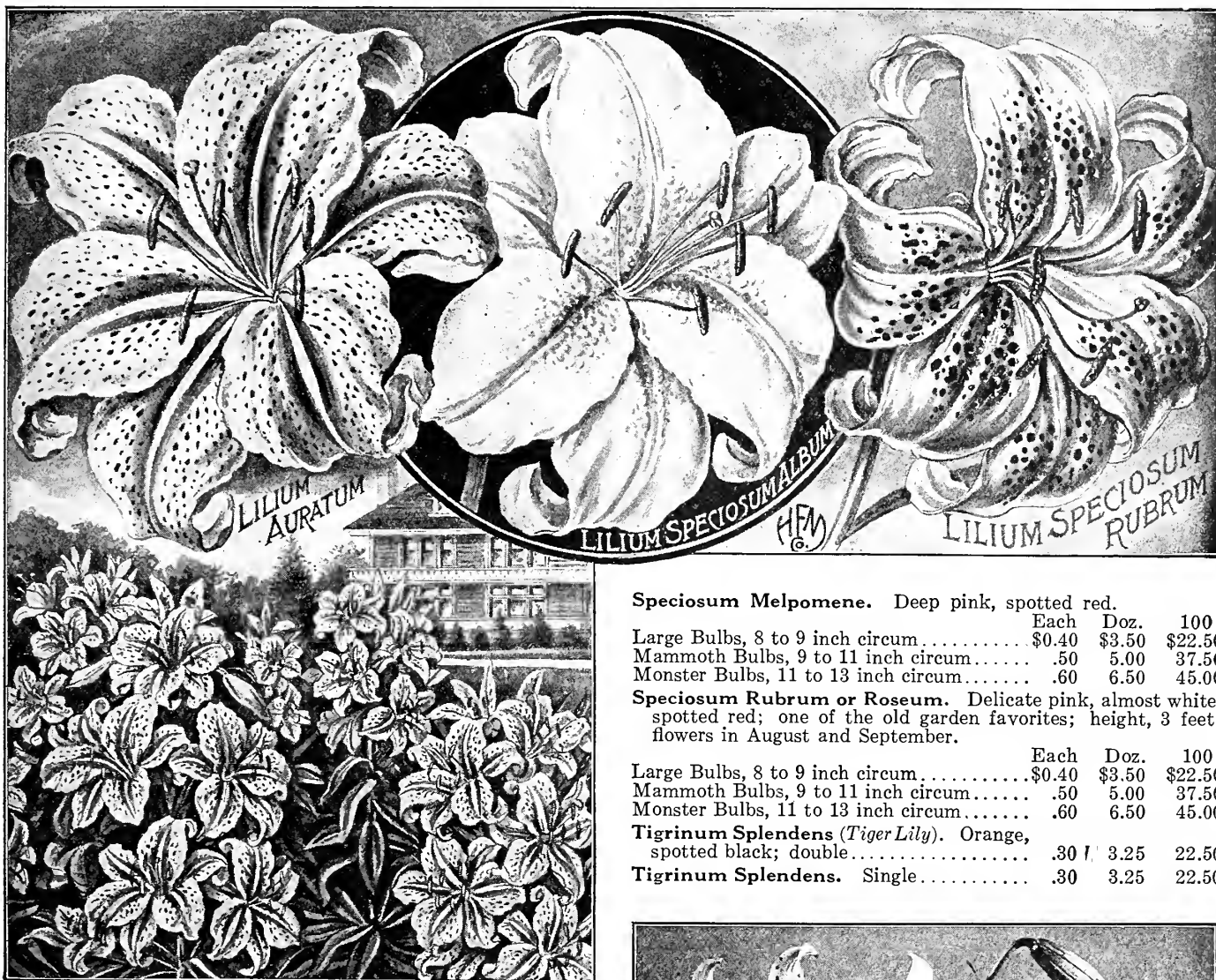
Salmon Beauty. A very large and showy flower; the color is deep orange-salmon with a rich salmon-yellow throat. 15c. each; doz., \$1.35; \$9.00 per 100.

Souvenir. This is one of the most beautiful and attractive varieties of the Primulinus type; color a superb deep yellow self; tall-stemmed large flowers facing forward, 4 to 6 open at the same time; early flowering. 15c. each; doz., \$1.35; \$9.00 per 100.

Primulinus Major Hybrids, Mixed. From the purest and lightest of yellow, it varies to the deepest orange, and from the softest shade of salmon-pink down to rich crimson; also a few white. Dainty blotches in the throat add to their beauty. 8c. each; doz., 75c.; \$5.00 per 100.



See page 99 for New and Rare varieties of Gladioli.



Garden Lily Culture is covered by our book "Garden Pointers" ask for a free copy.

If Lily Bulbs are wanted by Parcel Post, add 25c. per doz. for postage.

JAPANESE LILIES

Auratum (Golden Banded Lily). Enormous, measuring frequently 8 to 12 inches across; pure white, spotted crimson, each petal marked in the center with a band of yellow. Flowers in August; delightfully fragrant.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum.....	\$0.40	\$3.50	\$22.50
Mammoth Bulbs, 9 to 11 inch circum.....	.50	5.00	37.50
Monster Bulbs, 11 to 13 inch circum.....	.60	6.50	45.00

Speciosum Album. The best late flowering pure white hardy garden lily; of easy culture. The graceful stems and foliage are set off to wonderful advantage by the pure white blooms.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum.....	\$0.50	\$5.00	\$37.50
Mammoth Bulbs, 9 to 11 inch circum.....	.75	7.50	57.50
Monster Bulbs, 10 to 12 inch circum.....	1.00	11.00	85.00

Speciosum Magnificum. An enormous flower; rich deep pink spotted crimson; height, 3 feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum.....	\$0.40	\$3.50	\$22.50
Mammoth Bulbs, 9 to 11 inch circum.....	.50	5.00	37.50
Monster Bulbs, 11 to 13 inch circum.....	.60	6.50	45.00

Speciosum Melpomene. Deep pink, spotted red.

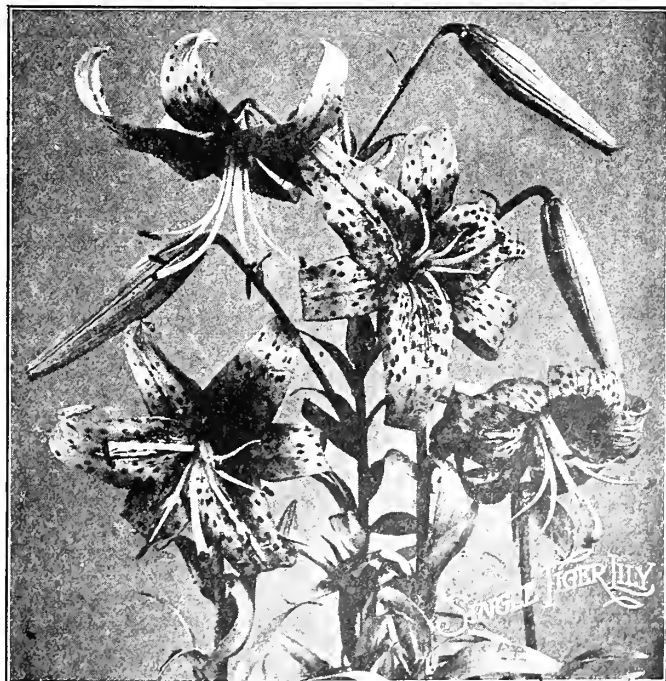
	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum.....	\$0.40	\$3.50	\$22.50
Mammoth Bulbs, 9 to 11 inch circum.....	.50	5.00	37.50
Monster Bulbs, 11 to 13 inch circum.....	.60	6.50	45.00

Speciosum Rubrum or Roseum. Delicate pink, almost white, spotted red; one of the old garden favorites; height, 3 feet; flowers in August and September.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum.....	\$0.40	\$3.50	\$22.50
Mammoth Bulbs, 9 to 11 inch circum.....	.50	5.00	37.50
Monster Bulbs, 11 to 13 inch circum.....	.60	6.50	45.00

Tigrinum Splendens (Tiger Lily). Orange, spotted black; double.....

	Each	Doz.	100
Tigrinum Splendens. Single.....	.30	3.25	22.50



MICHELL'S HARDY GARDEN LILIES

JAPANESE LILIES—Continued

(Miscellaneous Varieties)

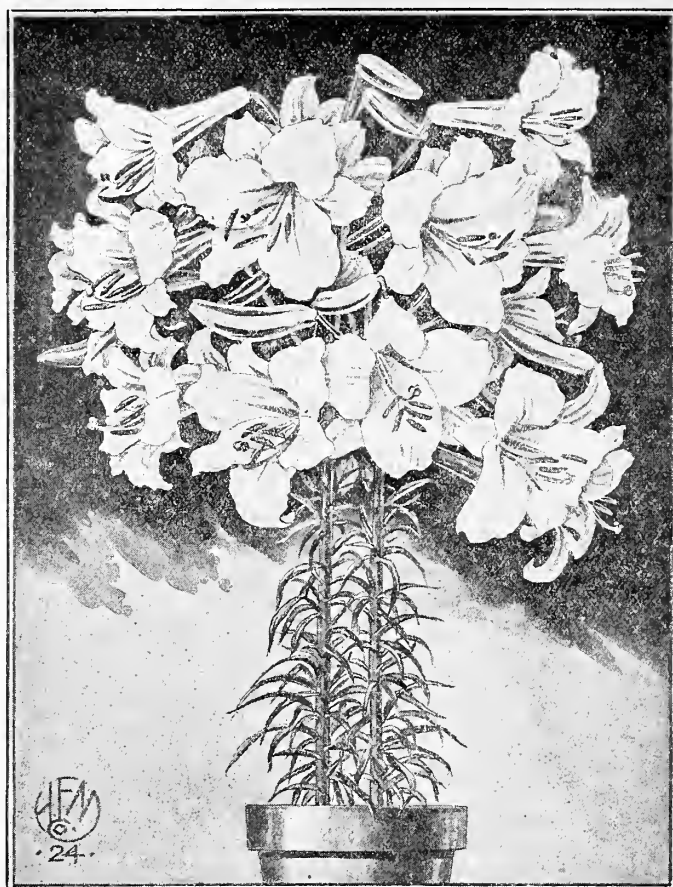
	Each	Doz.	100
Batemanni. Apricot colored; 3 feet; July. . .	\$0.45	\$4.00	
Brownii. White inside, outside brown . . .	.75	7.50	
Hansoni. Often grows from 3 to 5 feet high; reddish orange, 8 to 12 in a cluster. . . .	.75	7.50	
Henryi (<i>Yellow Speciosum Lily</i>). Tall grower, often 7 feet; produces flowers of a distinct orange yellow in great profusion. .	.75	7.50	
Krameri. Blush pink; 3 feet; August. . . .	.50	4.50	
Macranthum. Giant Golden Banded Lily. .	.60	6.00	
Wittei. Very fragrant; white, yellow band. .	.80	8.00	

AMERICAN OR NATIVE LILIES

	Each	Doz.	100
Canadense (<i>Canadian Bellflower Lily</i>). Bright yellow flowers, spotted black inside; June and July; 2 feet.	\$0.25	\$2.00	\$15.00
Canadense Rubrum. Same type as above; crimson with black spots. . . . .	.40	3.50	25.00
Davuricum. Upright scarlet flowers. . . .	.30	2.50	15.00
Elegans Bicolor. Bright red flushed. . . .	.45	4.00	25.00
Elegans, Leonard Joerg. Rich apricot pink. .	.30	3.00	17.50
Pardalinum. Orange, spotted crimson. . .	.35	3.50	25.00
Superbum (<i>Turks' Cap Lily</i>). Grows from 3 to 6 feet high and produces from 15 to 25 orange red flowers on a stalk. . . . .	.40	4.00	25.00
Wallacei. Bright apricot. . . . .	.20	2.00	12.00

HARDY LILIES BY PARCEL POST

Single bulbs mailed free; allow 25c. per doz. for postage.



Regale Lily

REGALE LILY

(*Lilium Myriophyllum*)

This variety was discovered not many years ago, in the mountains of China, by Professor Wilson of the Arnold Arboretum of Boston, Mass. For quite a long while it had been regarded only as a garden Lily, as it is perfectly hardy; of late years some of the private gardeners have adopted it as a forcing variety and it has more than made good. It promises now to become an important Garden variety and from experiments we know of, and those we have made ourselves, we deem it a splendid addition to the Lily Family.

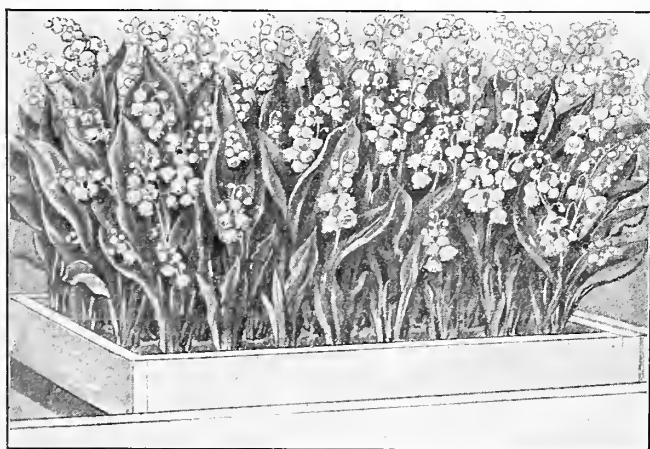
It possesses many advantages, chief among which are the fact that when forced under glass, and the lilies are cut, the bulb can be planted outdoors and be rejuvenated, or after two years for forcing purposes, it can be left in the garden indefinitely, to be cut during the summer months.

In greenhouses under ordinary conditions, the plant grows about 24 to 30 inches high. It has fine, narrow leaved foliage, of a very dark green shade. Bulbs under glass produce often as many as eight flowers to the bulb, but this depends largely upon the size of the latter and the conditions under which it is grown.

It is procurable usually, from November until June and can be planted any time during that period, requiring three months to bring it in flower.

It is pure, waxy white, with a lemon yellow throat, with a trumpet about 6 inches long and when the flower is fully developed, it is about 7 inches across. The blooms, we might say, are almost leathery in substance; for decoration as a pot plant or for cutting no other variety approaches it. The flower when cut or if left on the plant, possesses wonderful keeping qualities. It has a wonderfully delightful perfume, somewhat resembling the variety, Lil. Auratum, and yet somewhat like a Gardenia. If you want the finest of the hardy lily family, plant some of this variety.

Strong Bulbs, that will flower the first season, 75c. each; doz., \$8.00 (by parcel post, \$8.25); \$60.00 per 100.



A flat of well-grown Cold Storage Lily of the Valley

LILY OF THE VALLEY

MICHELL'S GIANT FLOWERING (Cold Storage)

These Lily of the Valley pips are suitable for culture in a greenhouse or in the window garden; they are not for planting out doors; for the latter purpose we recommend pips put up in bundles especially for the purpose, offered on page 126. Cold storage Lily of the Valley can be forced into bloom in about 25 days.

Price (for shipment preferably by express), \$1.25 per doz.; 25 for \$2.25; \$8.00 per 100; 250 for \$18.00; \$35.00 for 500; 1000 for \$70.00.

Not less than 100 C. S. Lily of the Valley can be supplied.



Ismene Calathina

ISMENE CALATHINA

(*Pancratium Lily* or *Peruvian Daffodil*)

One of the choicest of our summer flowering bulbs, blooming profusely during the summer. Handsome clusters of large, very striking, fragrant pearly white flowers. Bulbs should be kept warm and dry and planted out in the middle of May. They will commence flowering in July. It is really one of the most lovely of all the great *Amaryllis* tribe. Large bulbs, 25c. each (by parcel post, 30c.); doz., \$2.50 (by parcel post, \$2.65); \$15.00 per 100.

LYCORIS SQUAMIGERA (*Amaryllis Hallii*) THE MAGIC LILY OF JAPAN

A perfectly hardy *Amaryllis* bearing beautiful pink flowers. Produces in early spring attractive green foliage, which grows until July, when it ripens off and disappears, and anyone not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower-stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink, shaded with clear blue. Cover the crowns about four inches. For the hardy border or for planting among shrubbery, this is a most excellent subject, and should be more generally grown. Strong-flowering bulbs, 75c. each; \$7.50 per doz. (by parcel post, \$7.65).

MADEIRA OR MEXICAN VINE (See Vines)

This old favorite, also known as "Climbing Mignonette" is very much prized for porches and arbors, on account of its rapid growth and freedom from insects. Thick, glossy leaves and long, hanging stems of feathery, fragrant white flowers. If roots are protected during the winter, they are hardy. We offer extra large selected tubers. Price, 10c. each; doz., \$1.00 (by parcel post, \$1.10); \$7.50 per 100.



Montbretias

MONTBRETIAS

These beautiful flowering bulbs are very popular for clumping among perennials and shrubbery. Especially effective if planted in masses of from 50 to 100 bulbs in a clump. The flowers resemble a miniature *Gladiolus*. They should be protected during the winter with leaves or litter. We have succeeded in procuring some very good varieties of these now somewhat extinct bulbs.

If wanted by Parcel Post, add 15c. per 100 for postage.

	Doz.	100
Aurea. Yellow.....	\$1.00	\$6.00
Crocoseaflora. Reddish orange, with golden center.....	1.00	6.00
Elegans. Three of the petals are red, the other three yellow.....	1.00	6.00
Rayon d'Or. Large deep golden yellow with red center.....	1.25	7.00
Fire King. Fiery red.....	1.50	8.00
Mixed.....	.75	5.00

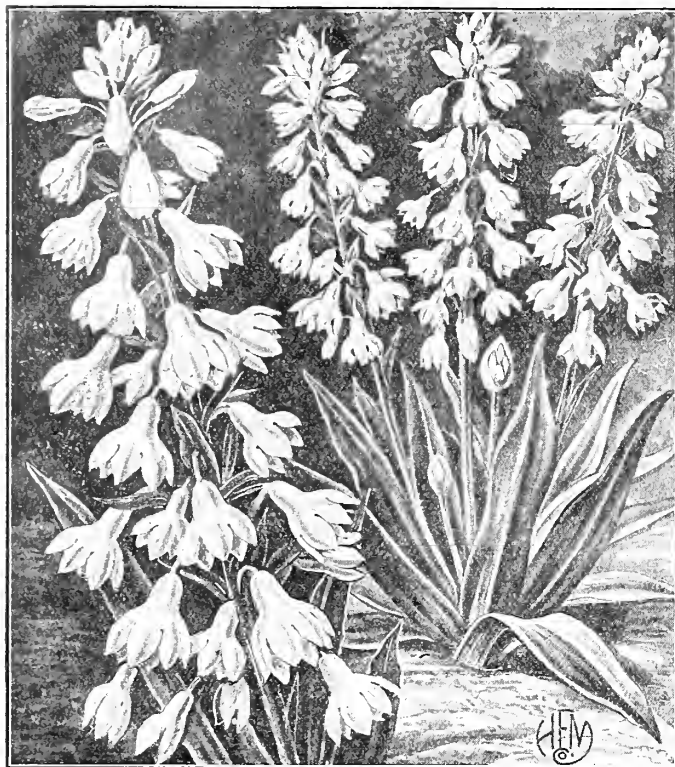
NERINE (*Guernsey Lily*)

Although these interesting autumn flowering plants will succeed fairly well in a cold house, they really do better in slight warmth and should be grown singly in 4½-in. pots. **Sarniensis.** Bright red, with a tinge of salmon and gold; flower stalks 15 to 18 inches in height bearing 3 to 6 flowers at a time. 40c. each; per doz., \$4.25 (by parcel post, \$4.40).

Testimonial

Enclosed you will please find an order for some bulbs.
Last shipment was received and stock is very fine. C. E.

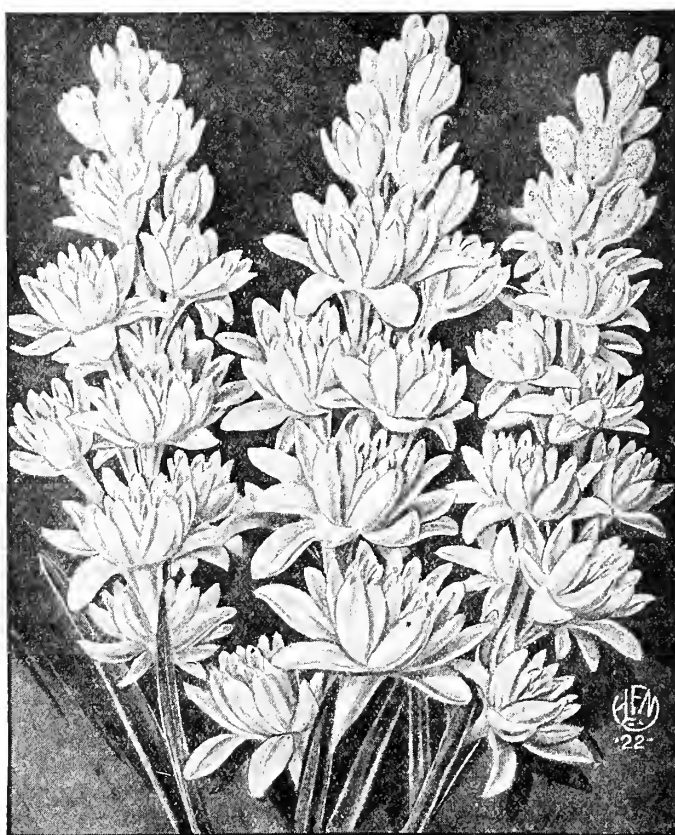
Shenandoah, Pa.



Summer Hyacinth (Hyacinthus Candicans)

SUMMER HYACINTH (*Hyacinthus Candicans*)

In July and August they produce spikes about two feet long, which are covered with bell-shaped white flowers. Large bulbs, 20c. each; doz., \$1.75 (by parcel post, \$1.90); \$12.50 per 100.



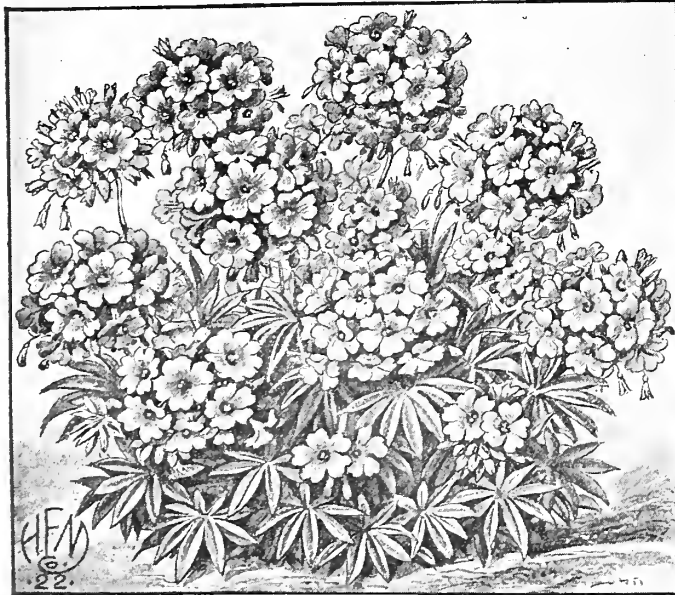
TUBEROSES

Summer-flowering bulbs, producing long spikes of very fragrant blossoms. Plant outdoors after all danger of frost is over. Cover the bulb about one inch with fine light soil.

Double Pearl. Pure white, first size bulbs, 7c. each; doz., 75c. (by parcel post, 90c.); \$4.50 per 100.

Double Pearl Mammoth. Extra large selected bulbs. 10c. each; doz., \$1.00 (by parcel post, \$1.20); \$7.00 per 100.

Albino, or Mexican. Single white, blooming in July and August. A very free-flowering variety. The odor is less powerful than in the double varieties. 7c. each; doz., 75c. (by parcel post, 90c.); \$5.00 per 100.



Oxalis Lasiandra

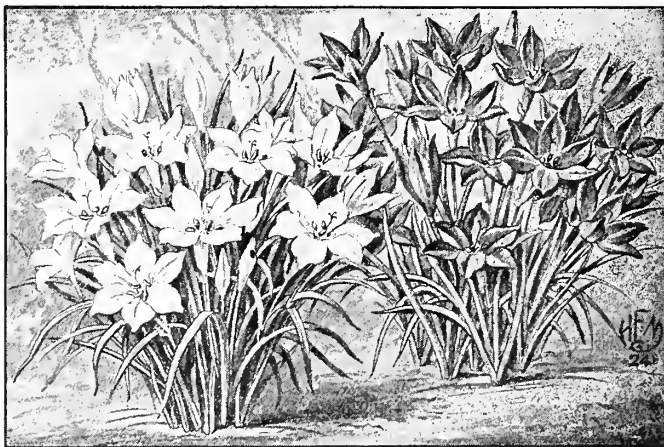
OXALIS (Summer Blooming)

Splendid border plants around flower or foliage plant beds. **Deppii.** White, small flowers.

Lasiandra. Rosy pink; beautiful cut foliage.

Shamrock. Clover like foliage; pink flowers.

Either of the above, doz., 20c.; \$1.25 per 100 (by parcel post, \$1.35).



ZEPHYRANTHES (Fairy Lily)

Half hardy plants, splendid as pot plants for greenhouse or window-gardens.

Treatea Rosea. The most popular rosy-flowered species. 20c. each; doz., \$2.00 (by parcel post, \$2.15); \$12.50 per 100.

Treatea Alba. The best white variety. 15c. each; doz., \$1.25 (by parcel post, \$1.35); \$7.00 per 100.

PLEASE READ CAREFULLY BEFORE ORDERING PLANTS FROM THIS CATALOG

So far as possible, when there are other goods on your order, please write the portion applying to plants on a separate sheet. Plant orders are filled and shipped at what we consider the proper season for planting, unless otherwise instructed by customers. Shipments for Southern States or localities, where cold weather is not a permanent thing, are made as soon as possible, unless otherwise instructed.

Shipments are best made by express unless otherwise instructed, except orders for small plants or few in number. These can be sent via parcel post, if sufficient remittance on cash orders accompanies same.

Where no postage charges are quoted, please allow 15% of the price of Plants or Bulbs on all shipments for points east of the Mississippi River; for points west of the Mississippi River allow 25% of the price of Plants or Bulbs ordered. For example:—

"If you reside in Augusta, Ga., and send us an order for \$2.00 in value for Plants or Bulbs, and want same shipped via parcel post, please remit \$2.30. If you reside in Pueblo, Col., and send us an order for \$2.00 for Plants or Bulbs, and want same shipped via parcel post, please remit \$2.50."

In some cases the parcel post charges may be slightly in our favor, in the other instances they will be in the favor of the buyer, although our customers should not overlook that it requires expert packing for safe arrival of shipments via parcel post.

Where the amount required to mail the goods is less than the prescribed amount listed in our catalog, no refund will be made, and also the extra amount will not be collected where the mailing charges are greater than those prescribed in the catalog.

Please Note:—Orders for less than the number of Plants listed cannot be filled, except they are offered at our counter and are taken with. Prices are especially established for these.

SHIPPING TIME

In average seasons, applying to orders booked for Spring.

Hedge, Small Fruits, Trees, Flowering and Ornamental Shrubs—sometimes late in March, generally during April and lasting until growth is too far advanced for transplanting with safety or assurance of stock surviving.

Herbaceous Perennials—April and continuing until either stock is exhausted or until season is too far advanced. Most perennials are pot-grown and can be planted safely at any season, as long as they are procurable.

Roses—May is the best month for these, unless April is warm and settled.

Bedding Plants—Geraniums, Cannas, Salvia, etc., are usually shipped beginning May 10th.

SPECIAL CAUTION

NOTICE—On receiving Plants, unpack them, plant and water thoroughly immediately. If they cannot be planted at once, at least unpack and water them. Newly planted stock, no matter how moist it may appear, should at planting time and every day (in the evening) for a week thereafter, be watered thoroughly, unless we have rain each day during the period. Most losses through Plants, Shrubs, Trees, Hedge, etc., dying, are caused by their not being watered sufficiently and regularly at planting time.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply all Plants, Trees, etc., of the best quality in first-class living condition. On account of the many causes beyond our control, we regret we cannot guarantee this stock to live and establish itself, as that is entirely within the power of the buyer or planter. If customers desire us to guarantee Plants, Trees, Shrubs, Hedge, etc., to live, we assume such guarantee at an advance of 25% over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

MICHELL'S SUMMER FLOWERING AND DECORATIVE PLANTS

NOTE—Please read carefully instructions above before ordering plants.

ACHRYANTHES

Excellent for edging beds of various kinds; makes a fine show against a green or yellow background; grow about 12 inches high and very compact.

Brilliantissima. Crimson foliage; very bright. Extra strong plants, 3-inch pots. 6 for \$1.50; doz., \$2.75; \$18.00 per 100.

AGERATUM (Floss Flower)

These are one of the freest of flowering annuals and can be adapted to many purposes. As an edging in a garden border few plants surpass it. Flower heads very large. Plants 10 inches high; ideal for massive bedding or edging.

Blue Perfection. 4-inch pot-plants, 6 for \$2.00; doz., \$3.50; \$25.00 per 100.

ALTERNANTHERA

Used principally for carpet bedding effects and edgings; fine for working out designs; of very dwarf growth, 4 inches high.

Aurea Nana. Green and yellow, mottled foliage.

Brilliantissima. Red, with a slight trace of green.

2¼-inch pot-plants, 6 for \$1.00; doz., \$1.75; \$12.00 per 100.

ALYSSUM

Little Gem. Pure white flowers; dwarf compact plant; desirable for edging, flowering all season; 6 inches high. 3-inch pot-plants, 6 for \$1.00; doz., \$1.50; \$10.00 per 100.

ANTIRRHINUM (Snapdragon)

A very effective plant for massive bedding or border planting, also much used in Italian Gardens. If flowers are cut off after blooming they will continue to flower until frost. In separate colors as follows:

Giant White, Pink, Yellow and Scarlet. Extra strong, 4-inch pot-plants, 6 for \$1.75; doz., \$3.25; \$22.50 per 100.



Antirrhinum (Snapdragon)

NOTE—Please read carefully instructions on page 107 before ordering plants.



Aster, Giant Branching

ASPARAGUS

Plumosus Nanus (*Asparagus Fern*). Highly desirable for fern dishes, bouquet greens, garlands, etc. 3-inch pots, 6 for \$1.50; doz., \$2.50; \$15.00 per 100. 4-inch pots, 50c. each; doz., \$5.50.

ASTERS (Giant Branching)

We grow a large stock in separate colors; **Pink, Crimson, White and Blue**. Extra strong, 3-inch pot-plants, 6 for \$1.00; doz., \$1.50; \$10.00 per 100.

BEGONIAS (Fibrous Rooted)

Erfordi. Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. 4-inch pot-plants, 6 for \$1.75; doz., \$3.50; \$25.00 per 100.

Gracilis Luminosa. A splendid edging variety with bronzy red foliage and brilliant coppery scarlet flowers; very free blooming; of same habit as Vernon. 4-inch pot-plants, 6 for \$1.75; doz., \$3.50; \$25.00 per 100.

Prima Donna. One of the best bedding Begonias, having lovely rose-colored flowers shading to carmine. 4-inch pot-plants, 6 for \$1.75; doz., \$3.50; \$25.00 per 100.

BEGONIA BULBS (Tuberous Rooted)

See Page 90.

CALENDULA (Pot Marigold)

These somewhat resemble a double daisy; are fine for cutting, border planting or as a background.

Orange King. Very deep orange. 4-inch pot-plants, 6 for \$1.75; doz., \$3.00; \$22.50 per 100.

CANNA ROOTS AND PLANTS

See Page 91.

CELOSIA PLUMOSA (Feathered Cockscomb)

A splendid decorative plant for the garden, particularly fine in large bed or groups. The feathery plumes are produced on long stems and are excellent for cutting. Can also be cut and dried for Winter bouquets. 3-inch pot-plants, 6 for \$1.75; \$3.00 per doz.; per 100, \$20.00.

CENTAUREA CYANUS (Cornflower)

These are also known as Bachelor's Buttons, and were always found in old-fashioned gardens. They are easily grown and are excellent for cutting. 3-inch pot-plants, 6 for \$1.75; \$3.00 per doz.; per 100, \$17.50.

CENTAUREA GYMNOCARPA (The White-leaved Centaurea or Dusty Miller)

Grown for their silvery foliage as edging plants; also fine for bedding, vases, hanging baskets, etc. As a border for a bed of Scarlet Sage they are very showy. 3-inch pot-plants, 6 for \$1.25; \$2.00 per doz.; per 100, \$15.00.

COBAEA SCANDENS

A beautiful blue, cup-shaped flowering annual climber; very desirable for lattice covering, etc. Extra strong plants, 4-in. pots, 50c. each; 6 for \$2.50; per doz., \$4.00.

COLEUS

The popular bedding plant so commonly used for edging canna and geranium beds, making an effective show till frost.

Verschaffelti. Dark crimson foliage.

Golden Bedder. Rich canary yellow.

Queen Victoria. Red, with yellow edge.

3-inch pot-plants, 6 for \$1.00; doz., \$1.50; \$10.00 per 100.

COSMOS

Michell's Giant Flowering Strain, producing enormous, long-stemmed flowers late in the autumn.

Pink, White, Red, each color separate. 3-inch pot-plants, 6 for \$1.00; doz., \$1.50; \$10.00 per 100.



Centaurea Cyanus

NOTE—Please read carefully instructions on page 107 before ordering plants.

DAHLIA ROOTS AND PLANTS (See pages 92 to 97) DAISY (*Bellis Perennis*)

These are especially desirable for early spring bedding before it is possible to set out most other plants. Intermingled with Pansies and Forget-Me-Nots (the latter being set out at the same time), they form an attractive combination.

Giant Flowering English, Pink and White, each separate, 6 for \$1.00; doz., \$1.50; \$10.00 per 100.



Dracaena Indivisa

DRACAENA (Fountain Plant)

Indivisa. Attractive; used as a center piece for a round bed, urn or vase and in cemetery work. Strong, 4-inch pot-plants, 50c. each; 5-inch pot-plants, \$1.25 each; 6-inch pot-plants, \$2.00 each.

FERNS

The varieties we offer here are the best of their class and all are good house plants.

Nephrolepis, Dwarf Boston. A dwarf form of the original Boston Fern, makes a more shapely plant.

“ **Scotti.** An old favorite; dwarf and bushy.

“ **Teddy, Jr.** A dwarf form of the Roosevelt fern; very bushy.

“ **Verona.** The best of the crested or Lace Ferns.

Any of above Ferns, 4-inch pots, 75c. each; 6-inch pots, \$1.50 each.

GERANIUMS

Alphonse Ricard. Bright scarlet; double.

Beaute Poitevine. Salmon pink; very double.

Helen Michell. Bright rich scarlet; gigantic flower, to date the very best of its color.

La Favorite. Double; pure white.

Rose Scented. The old fashioned sweet scented variety.

S. A. Nutt. Rich crimson; double.

Price of any of the above Geraniums, extra fine stock, 4-inch pots, 6 for \$2.00; doz., \$4.00; \$27.50 per 100.

GLADIOLUS (See pages 99 to 102)

HELIOTROPE

This plant bears a mass of flowers all summer; the fragrance cannot be approached by any other annual plant.

Centefleur. Large trusses of rich deep violet blue. 4-inch pot-plants, 6 for \$1.75; doz., \$3.50; \$25.00 per 100.

HYDRANGEAS (See pages 136A and 139)

LANTANA

Excellent bedding plants, thriving best in the full sun; shades of orange and yellow; very effective. 4-inch pot-plants, 6 for \$1.75; doz., \$3.50; \$25.00 per 100.

LEMON VERBENA

Pointed green lemon-scented foliage; fine for mixing among cut flowers. 3-inch pots, 3 for \$1.00; doz., \$3.50; \$25.00 per 100.

LOBELIA

Compacta. Blue flowering plant, for edging and hanging baskets. 3-inch pot-plants, 6 for \$1.00; doz., \$1.75; \$12.00 per 100.



Marigold

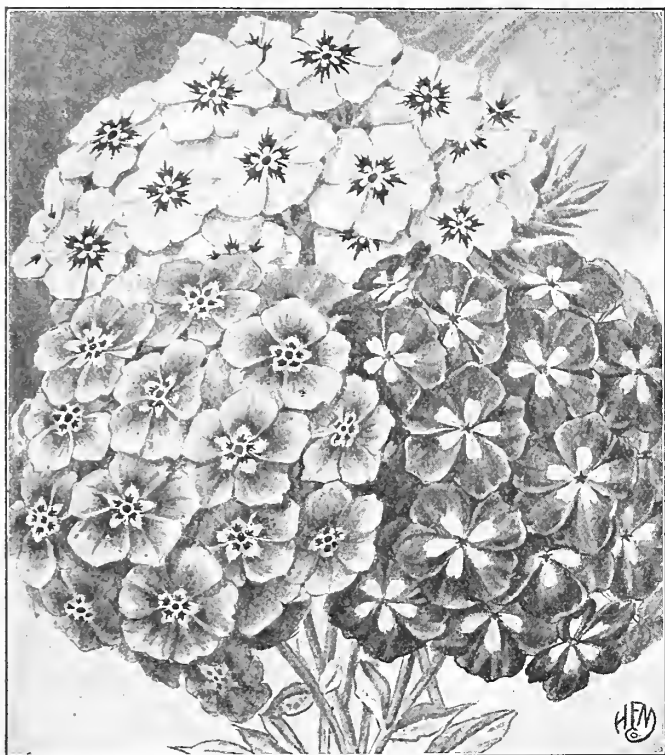
MARIGOLD

These are favorites in all old-fashioned gardens; in bloom from early summer until frost. Grown from selected seed; flowers grow to enormous size.

Legion of Honor (Little Brownie). Single flowers; golden yellow with a large spot of crimson velvet; 9 inches; early flowering.

Lemon Queen. Bright yellow. **Orange King.** Deep orange. 6 for \$1.00; doz., \$1.75; \$12.00 per 100.

PLEASE NOTE—Bedding plants cannot be sent by parcel post as they cannot be packed satisfactorily to ensure safe carriage by this method; we therefore recommend shipping by express.

*Phlox Drummondii, Grandiflora*

NOTE—Please read carefully instructions on page 107 before ordering plants.

MOON VINE

***Ipomoea Noctiflora*.** A pure white variety blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. Extra strong plants, 50c. each; doz., \$4.00; \$25.00 per 100.

MYOSOTIS (Forget-Me-Not)

Ready after April 10th. Stock usually exhausted May 15th.

***Palustris Semperflorens*.** Dwarf blue. 6 for \$1.00; doz., \$1.50; \$10.00 per 100.

PALMS

***Areca Lutescens*.** One of the most graceful and beautiful Palms, having bright green foliage with yellow stems. 3-inch pots, 75c. each; 4-inch pots, \$1.00 each; 6-inch pots, \$2.00 each.

***Kentia Belmoreana*.** The hardiest Palm in cultivation; of slow growth, and less affected by the dust and dry atmosphere of the house than any other. 3-inch pots, 75c. each; 4-inch pots, \$1.00 each; 5-inch pots, \$2.00 each; 6-inch pots, \$3.50 each.

***Kentia Forsteriana* (Made-up plants).** These are made by planting four plants in an 8-inch tub, and they are from 30 to 32 inches high from the top of the tub; very decorative. Price, \$10.00 each.

PANDANUS

We highly recommend this plant where a good many varieties of other decorative plants will not do. They will thrive even in dark places such as reception halls, living rooms, etc.

***Veitchi*.** Highly colored plants. 4-inch pots, \$1.25 each; 6-inch pots, \$3.00 each.

PANSIES

Michell's Giant Exhibition Strain. It has often been remarked by customers that nowhere else can our Pansies be equalled for size of bloom and rich colors. Fine large plants in bud and bloom in mixed colors only; ready after April 1st. \$1.35 per doz.; 25 for \$2.50; \$10.00 per 100. Stock usually exhausted after May 15th. (Pansy plants cannot be sent via P. P.)

PASSIFLORA (Passion Flower)

Pfordti. An attractive climber for outdoor planting in summer, bearing a profusion of light blue flowers suffused with pink. Price, 75c. each (by P. P., 90c.).

PETUNIAS

Of the annual flowers, this is probably the most universally used; it can be put to a variety of uses, for bedding, baskets, window boxes or urns; they flower continuously.

Giant Single Strain. (See illustration). Mixed colors. 4-inch pot-plants, 3 for \$1.00; doz., \$3.50; \$25.00 per 100.

Double Petunias. Choice mixed colors. 4-inch pot-plants, 3 for \$1.00; doz., \$3.50; \$25.00 per 100.

PHLOX DRUMMONDI

These are a splendid bedding or border plant.

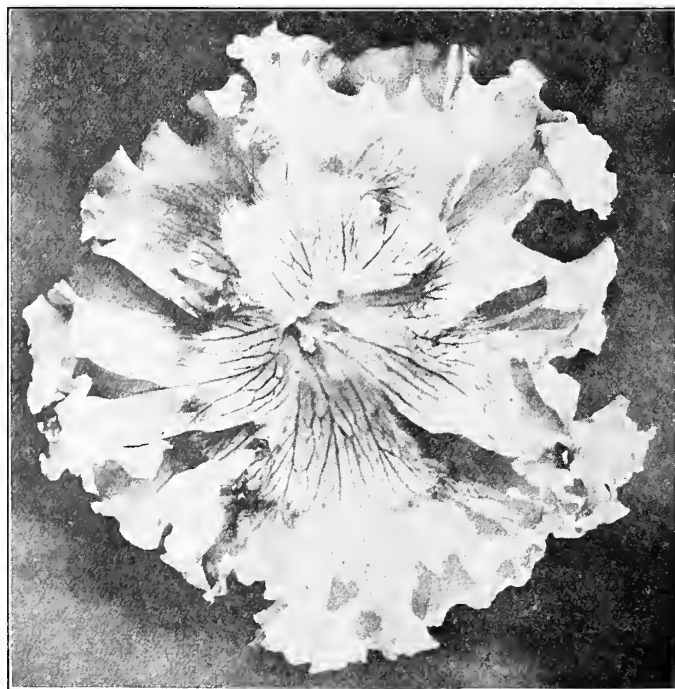
Dwarf. Red, white, pink, each separate. 3-inch pot-plants, 6 for \$1.50; doz., \$3.00; \$22.50 per 100.

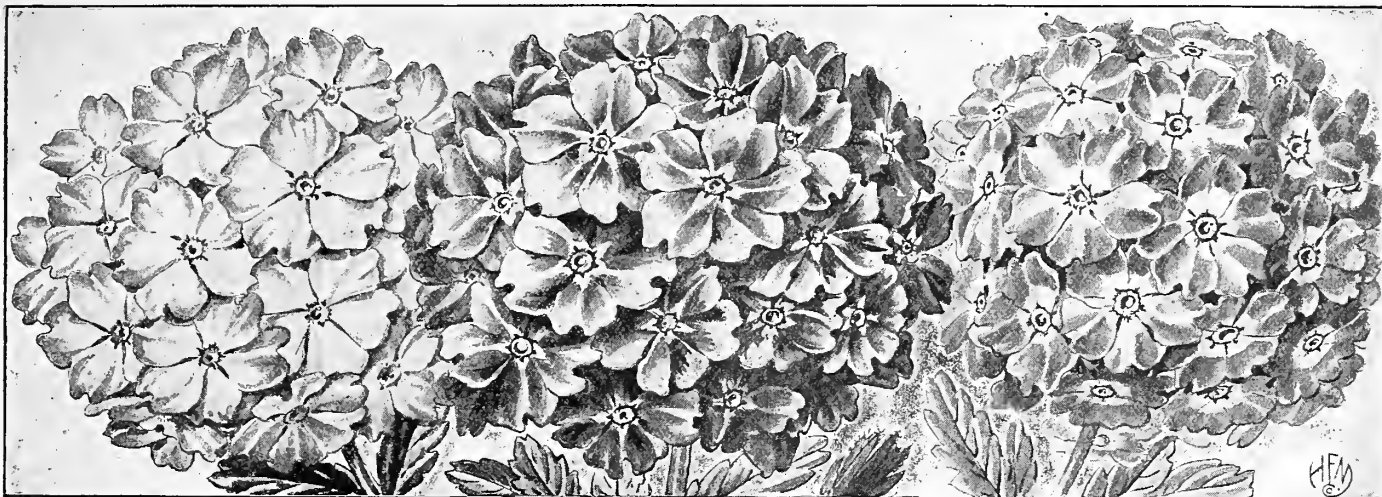
PYRETHRUM AUREUM (Golden Feather)

A well-known edging plant with finely cut leaves of a bright golden yellow. Grows from 6 to 8 inches high. 3-inch pot-plants, 3 for 75c.; \$1.25 for 6; 12 for \$2.25; \$15.00 per 100.

RICINUS (Castor Oil Bean)

These ornamental plants are used effectively on lawns as single specimens, in groups or as center plants for large beds, producing a sub-tropical effect. We are offering the new variety "Red Spire," which has bronzy-green foliage with prominent red ribs and veins and which produces through the Summer and Autumn numerous spikes of seed pods of a brilliant rosy-crimson. 4-inch pot-plants, 3 for \$1.00; \$1.50 for 6; 12 for \$2.75; \$18.00 per 100.

*Petunia, California Giants*



Michell's Mammoth Fancy Verbenas

NOTE—Please read carefully instructions on page 107 before ordering plants.

SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants which have become great favorites, not only because of its easy culture, but mainly for its beautifully tinted and veined flowers; blooms from early summer until late fall; 18 inches. 3-inch pot-plants, 3 for \$1.00; \$1.50 for 6; 12 for \$2.75; \$20.00 per 100.

SALVIA (Scarlet Sage)

No show of flowers can equal that produced by Scarlet Sage; it makes a blaze of color when massed or planted in beds that can be recognized at a great distance.

America. Dwarf, bushy and compact.

Bonfire. One of the best dwarf bedding varieties.

Strong 4-inch pot-plants, 6 for \$1.75; doz., \$3.50; \$25.00 per 100.



Zinnia, Giant Dahlia Flowered

SCABIOSA (Mourning Bride)

Magnificent hardy annuals of easy cultivation, blooming freely through the summer and autumn. They are very decorative for beds or borders in the garden and are invaluable for cutting. 3-inch pot-plants, 3 for \$1.00; \$1.50 for 6; 12 for \$2.75; \$20.00 per 100.

STOCKS (Gillflower)

Sweet-scented flowers, which are fine for cutting, or as a bed or border plant they are splendid.

Double pink, white, blue and red. In separate colors. 4-inch pot-plants, 6 for \$2.00; doz., \$3.50; \$25.00 per 100.

VERBENAS

MICHELL'S MAMMOTH FANCY STRAIN

Used for edging borders, or for window boxes and vases. In separate colors, pink, white, scarlet, purple. 3-inch pots, 6 for \$1.50; doz., \$2.75; \$17.50 per 100.

VINCA

Rosea. This is the flowering type used for bedding or vases; a bed or border planted with these is a beautiful sight; for either full sun or in partial shade they are well adapted. Pink, white, white with pink eye, each color separate. 3-inch pot-plants, 3 for \$1.00; 6 for \$1.75; doz., \$3.25; \$25.00 per 100.

Major Variegata. A trailing plant used for hanging baskets and window boxes; green foliage mottled white. Extra strong pot-plants, per doz., \$5.00; \$35.00 per 100.

ZINNIAS

Michell's Giant Robusta Strain. Mixed colors. 3-inch pot-plants, 6 for \$1.50; doz., \$2.00; \$15.00 per 100.

Note regarding Quality of our Bedding Plants.—This stock is grown with a view to making shipment via local express or American Railway Express and with this in mind we grow our plants in larger size pots which develops a heavier plant than is required by the mail order trade; send us a trial order and note the difference in quality.

MICHELL'S HARDY POT-GROWN ROSES

Ready for shipment about May 1st.

The Roses we are offering are all strong 2-year field grown plants that were dug last Fall and potted into 5-inch and 6-inch pots. Roses thrive best in an open sunny position and they should be planted away from all trees and shrubs so that the roots will have the full benefit of the nourishment in the soil. Roses are gross feeders and consequently require a rich soil. Select a well drained position where the soil is good and dig in a liberal amount of well decomposed stable manure thoroughly mixing it with the soil. For best results the beds should be made from 4 to 5 feet wide, planting the Hybrid Teas 18 inches apart and the stronger growing Hybrid Perpetuals 2 feet apart, planting all about 8 inches or 10 inches from the edge of the beds. The pot grown plants we send out arrive with a ball of earth around the roots, this ball should not be disturbed but should be thoroughly wet when planted. Budded Roses should be planted so that the bud is about 2 inches below the surface of the ground, firm the soil well around the roots and give a thorough watering. Throughout the Summer, the surface of the bed should be frequently cultivated. Roses we send out require no further pruning, but are ready to be planted when received. The best method of protecting Roses for the Winter in this locality is to draw up a mound of soil around the base of the plant to a height of 8 to 10 inches, thereby protecting the buds at the base of the plants from the alternate freezing and thawing, which is so injurious. In addition to this a covering of straw manure, evergreen boughs or corn stalks is very beneficial. When Roses are growing freely they are less liable to insect pests or fungous diseases than if they are starved or otherwise neglected. A weekly application of Aphistrogen or Fungtrogen and Insectrogen will keep the plants free of most all insect pests and mildew as well as fungous diseases; these splendid preparations are from the formula of Edwin M. Rosenbluth the eminent rosarian of Philadelphia; they will be found offered on page 187.

GENERAL LIST OF MICHELL'S SELECT HYBRID TEA ROSES

Under this heading we offer only the best and well tried varieties for outdoor planting and our customers will make no mistake in selecting any of these for their gardens. For best results Hybrid Tea Roses should be severely pruned, the stronger shoots should be put back to from 8 to 12 inches in height, while all weak thin wood should be removed entirely.

MICHELL'S COLOR PLATE VARIETIES SELECT HYBRID TEA ROSES

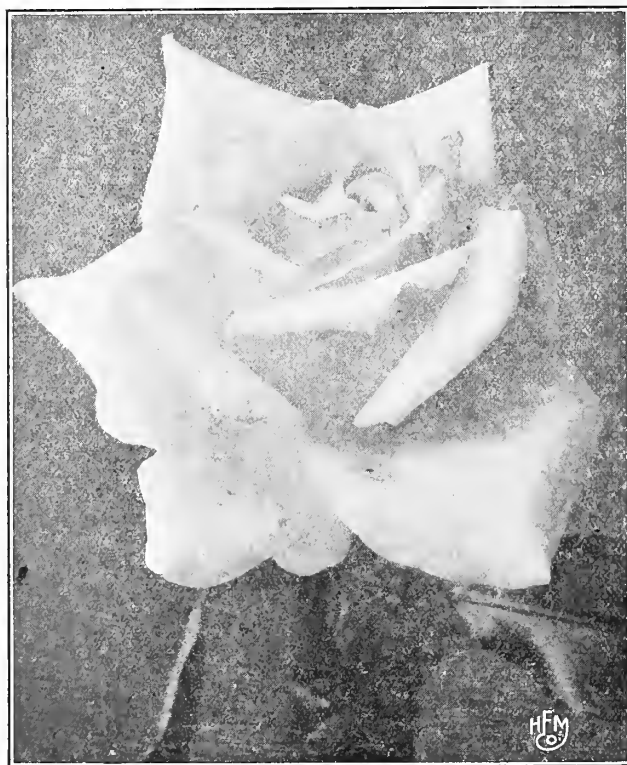
Gruss an Teplitz. This is a rose for everybody, being the most profuse blooming crimson rose in existence. The color is of the richest scarlet, shading to a velvety crimson; very fragrant. It will succeed under the most ordinary conditions, doing well where other roses fail.

Los Angeles. A wonderful American Rose, introduced in 1917 and described by the originators as follows: "Los Angeles is by all odds one of the finest Roses ever introduced. In color a luminous flame pink toned with coral and shaded with translucent gold at the base of the petals. In fragrance it is equal in intensity to the finest Marechal Neil. The buds are long, pointed and extend into a flower of mammoth proportions. The growth is vigorous to a degree. The beauty of the form and ever increasing wealth of color are maintained from the incipient bud until the last petal drops."

Mrs. Aaron Ward. A very free blooming variety of vigorous but compact growth. The flowers, which are of splendid form are full double and are equally attractive when in full bloom as in the bud state. The color is a distinct Indian yellow which under certain conditions becomes yellow tinted white. A favorite everywhere.

Ophelia. This is a variety that has made such a record for itself, that it must be classed among the very best, a rose that is admired by everybody. The flowers held erect on long stems are of perfect form, are of a pleasing shade of light salmon flesh shading to pale yellow at the base of the petals.

Price on any of the above Color Plate Roses, \$1.25 each; doz., \$12.00; \$90.00 per 100; 6 at dozen rate, 25 at 100 rate.



America

America. An American introduction which gives promise of a great future. The size, form, color, stem and foliage together with its free flowering qualities leave nothing to be desired. The color is an absolutely pure rose-pink that never turns blue and the fragrance is delightful. A good strong grower. \$1.75 each.

Columbia. One of the most popular of the newer roses, being a vigorous grower and very free flowering. The flowers are of a pleasing shade of rose pink, large, fragrant and perfect in form.

Duchess of Wellington. Intense saffron yellow changing to coppery yellow. Flowers large, moderately full, of the Killarney type, beautiful buds and delightfully fragrant. A superb yellow rose and a splendid grower, in fact this variety is considered by many growers to be the best of all yellow roses to date.


Gen. MacArthur. A well known rose, being one of the earliest and most perpetual flowering sorts. The blooms are large, full and delightfully fragrant. In color it is a rich crimson scarlet and the growth is vigorous.

Golden Emblem. A most desirable Yellow Rose and likely to become a real favorite in the garden. Beautifully formed, long buds, which sometimes have flames of light crimson on the outer petals; held erect on long stems well above the glossy green foliage; delightfully fragrant.

Golden Ophelia. Golden yellow in center shading to pale yellow on the outer petals. This is a seedling of the well known variety Ophelia, possessing its many good qualities.

Gruss an Teplitz. See description in opposite column.

Price on any of the above, \$1.25 each; doz., \$12.00; \$90.00 per 100. 6 Roses supplied at the dozen rate, 25 supplied at the 100 rate. Single plants of roses can be sent by parcel post at an additional charge of 25c. per plant for mailing and special packing.



OPHELIA

MRS.
AARON WARD

LOS ANGELES

**MICHELL'S HARDY
HYBRID TEA ROSES**

Extra Strong 2 Year Pot Grown Plants

	Each	Doz.	100
Gruss an Teplitz . .	\$1.25	\$12.00	\$90.00
Los Angeles . . .	1.25	12.00	90.00
Mrs. Aaron Ward . .	1.25	12.00	90.00
Ophelia	1.25	12.00	90.00

If Roses are wanted by Parcel Post add
25c. each for packing and mailing.
Ready for shipment about May 1st

GRUSS
AN TEPLITZ

MICHELL'S HARDY POT-GROWN ROSES

GENERAL LIST OF MICHELL'S SELECT HYBRID TEA ROSES

Hadley. One of the very best garden roses; deep rich velvety crimson in color and one of the most fragrant roses in our collection. Free bloomer with long stiff stems.

Hoosier Beauty. Glowing crimson-scarlet with darker shadings; buds of good length and splendid shape, opening into a magnificent and delightfully fragrant bloom. A strong, clean grower and very free flowering.

Jonkheer J. L. Mock. A favorite with hundreds of Rose lovers. The flowers are extra large and of more than ordinary beauty. The bright cherry red on the outside of the broad petals and the shining silvery white on the inside make a double colored bloom.

Kaiserin Augusta Victoria. An old variety but still one of the best and it should be in every collection. In color it is a soft pearly white tinted with lemon.

Killarney Queen. Another excellent development of the Killarney family, bearing distinct clear pink blooms, somewhat darker than the parent sort, these blooms being large and well-formed.

Lady Alice Stanley. A rose that is admired by every one, not only for its freedom of bloom and fragrance, but also for its color, which is a beautiful shade of coral-rose on the outside of the petals with purple flesh on the inside.

Lady Ashtown. Extremely beautiful flowers of pale carmine-pink, shading to golden yellow at the base of the petals. The blooms are large, globular, and well formed, rather higher in the center than at the edge. Excellent for garden or greenhouse and a profuse bloomer all season until frost.



Hybrid Tea Rose, Lady Alice Stanley

Lady Hillingdon. One of the best Tea Roses of its color, deep apricot yellow throughout. It varies from medium to large size and is very beautiful both in bud and in flower. The plant is hardy, a strong grower and is very floriferous.

La France. One of the first Hybrid Tea Roses to be introduced and still one of the most popular. In color a bright pink on the outside of the petals and a lovely silvery pink on the inside. The growth is vigorous with delightfully fragrant flowers.

Los Angeles. See description, page 112.

Mme. Butterfly. While this is a sport of Ophelia, it shows an even better growth, with more and larger flowers, in a brilliant pink, suffused apricot and gold. These flowers are in the ideal Rose form, of good texture and fragrance, and are unusually enduring. The plant is free and fine in growth and habit.

Mme. Caroline Testout. One of the most popular and valuable bedding varieties; large globular flowers of bright satiny rose with brighter center. Strong vigorous grower; very free flowering and fragrant; particularly fine in Autumn.

Mme. Edouard Herriot. This is the celebrated "Daily Mail" rose which has been so extensively advertised. In color it is coral red, shaded with yellow and bright rosy scarlet, with yellow at the base; a wonderful combination of most pleasing colors.

SPECIAL OFFER

Choice H. T. Roses (named sorts labeled) our selection of variety, your selection of color, \$1.00 each (by P. P., \$1.25); \$10.00 per doz.; per 100, \$75.00.



Hybrid Tea Rose, Lady Ashtown

Price of Roses above, \$1.25 each; doz., \$12.00; \$90.00 per 100. 6 Roses supplied at the dozen rate, 25 supplied at the 100 rate. If wanted by P. P., add 25c. per plant for mailing and special packing.

PLANTS TRAVEL BEST BY EXPRESS. NO PLANTS SENT C. O. D.

(oi)

GENERAL LIST OF MICHELL'S SELECT HYBRID TEA ROSES

Mme. Leon Pain. Entirely distinct in color, a fine silvery salmon, with deeper orange-yellow shaded center, the reverse of the petals being a salmony-pink; flowers large, full and well formed; very free flowering and a splendid bedding variety.

Miss Lolita Armour. This beautiful Rose won the Gold Medal at the Bagatelle Gardens in Paris, France, in 1921. It is a strong vigorous grower and very free-flowering. The buds are well shaped, chrome-yellow at the base, shading to orange and copper. As the flowers expand they develop to a deep coral red; very fragrant.

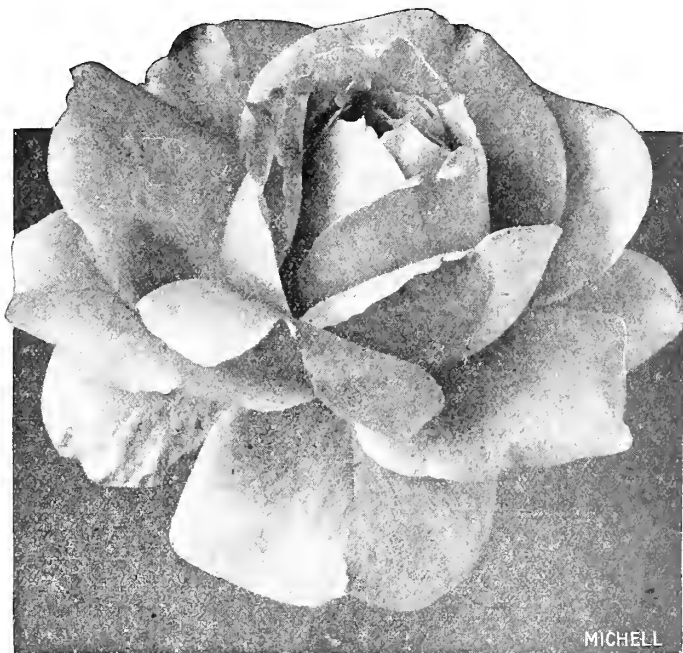
Mrs. Aaron Ward. See description, page 112.

Mrs. Mackellar. Large, finely formed and fragrant, buds and blooms of saffron-yellow, passing to pearly primrose.

Mrs. S. K. Rindge. This beautiful and distinct Rose has given general satisfaction. It is of strong, free branching habit of growth, with dark green, mildew-proof foliage; long pointed buds carried erect on stiff stems. Color, clear, rich chrome-yellow, which as the flowers mature, become suffused with salmon-pink. The flowers are of good size, moderately double and are produced freely and continuously.

Mrs. Wakefield Christie-Miller. Large, globular, peony-flowered blooms of pearly blush, shaded salmon-pink, the outside of the petals being vermilion and rose, which lovely combination is not affected by the hottest sun. Plants strong, of erect and vigorous growth, and with a blooming habit taking it clear through the season and until late autumn. Should be in every selection for the garden.

Ophelia. See description, page 112.



Hybrid Tea Rose, Radiance

Radiance. A Rose of American origin and to our mind one of the very best varieties in cultivation today. It is an ideal bedder, producing large flowers throughout the Summer when many other varieties are out of bloom; in color a beautiful even shade of pink. This Rose should be in every garden.

Red Radiance. A counterpart of Radiance from which it is a "sport," possessing all of the good points of that valuable variety, but differing in color, which is bright cerise-red.

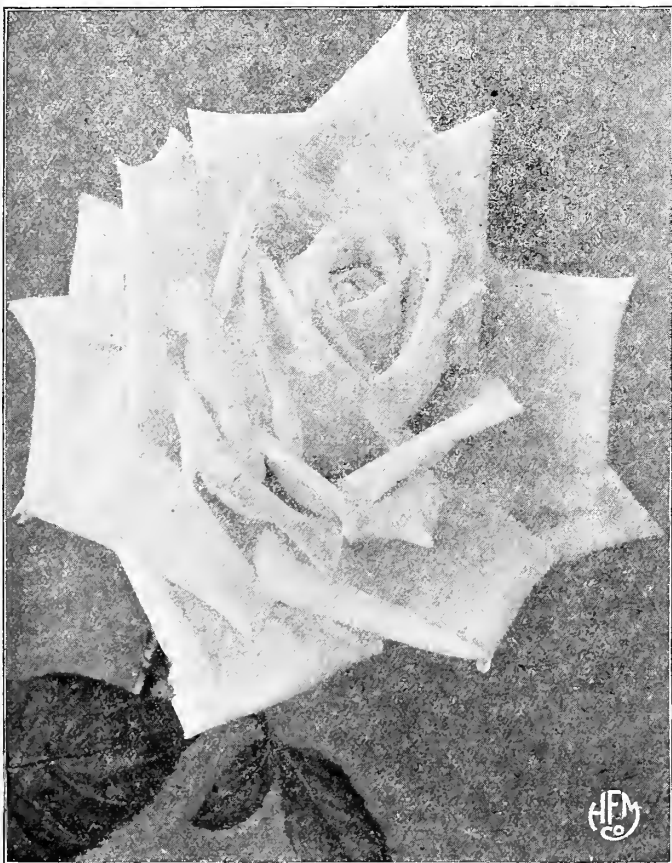
Rose Marie. One of the best bedding roses. It produces beautiful long buds which open into large flowers of perfect form; a pleasing clear rose-pink in color.

Souvenir de Claudius Pernet. A most vigorous grower of erect branching habit; beautiful, brilliant green foliage; long pointed buds of exquisite shape, carried on long, stiff stems. Very large full flowers with elongated deep petals, a beautifully formed bloom. Color, a most striking sunflower-yellow, deeper in the center without any color blending and which is retained without fading even in the warmest weather. \$1.50 each.

Souv. de Georges Pernet. A strong vigorous grower and free bloomer. The flowers are large; globular in form; color, Orient red shading to a cochineal-carmine at the end of the petals, the whole being suffused with a golden sheen.

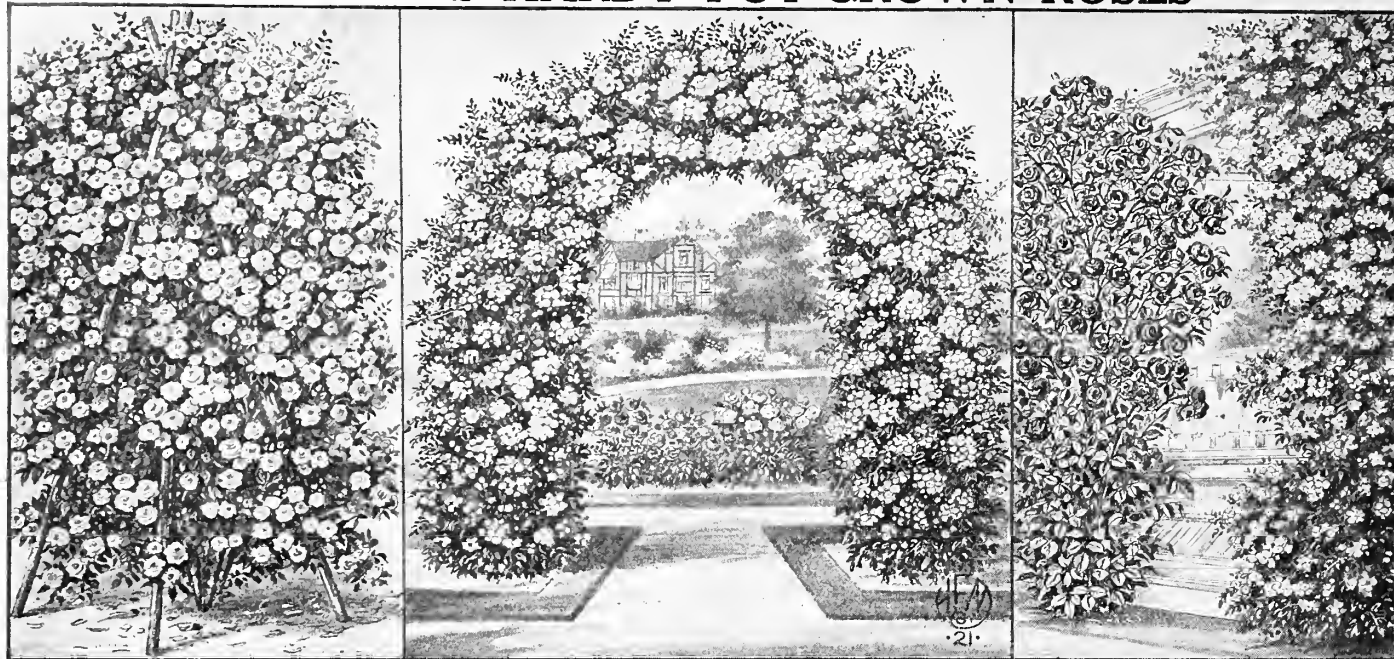
Sunburst. A vigorous grower with erect or slightly spreading habit and dark bronzy foliage. The flowers are of medium size, full and of fine elongated cup form; color a superb cadmium-yellow passing to yellow-orange in the center.

William F. Dreer. Flowers similar in shape to Los Angeles and like that variety, beautiful in all stages of development, are at their best in the half-expanded flower. These, in expanding, are of a soft, silvery shell-pink, the base of the petals of a rich golden-yellow which, at certain stages of development, gives a golden suffusion to the entire flower, this golden suffusion being particularly brilliant early and late in the season.



Hybrid Tea Rose, Sunburst

Prices on any of the above (except where noted), \$1.25 each; \$12.00 per doz.; per 100, \$90.00; 6 Roses supplied at the dozen rate, 25 supplied at the 100 rate. If wanted by P. P., add 25c. per plant for Postage and special packing.



HARDY CLIMBING AND RAMBLER ROSES

As an ornamental plant for covering verandas, porches, side walls, pillars, fences, etc., these are unequalled, calling forth more admiration than anything else that can be used. They require no pruning in the Spring beyond the cutting out of very old or dead wood and shortening of the laterals and long canes to make the growth conform to the space to be covered, but a severe pruning in July directly after they have finished flowering is beneficial. Cutting away at that time all old flowering wood will encourage a vigorous growth, which will give an abundance of flowers the following season.

American Pillar. The large single flowers are a lovely shade of cherry pink, with a clear white eye surrounding numerous golden yellow stamens.

Aviateur Bleriot. A strong growing plant with beautiful glossy insect and disease proof foliage, bearing large clusters of medium full sized double flowers of a saffron yellow dispersing to an almost golden yellow in the center.

Bess Lovett. Resembles Climbing American Beauty in shape of flower, but much brighter in color, being a clear bright red, double, full cupped form and of notable lasting quality.

Christine Wright. A beautiful rose of strong climbing habit, producing double flowers 3 to 4 inches in diameter, singly and in clusters, of a wild rose pink. See color plate opposite.

Climbing American Beauty. The name of this rose is rather misleading, yet on its own merits it is a splendid climber. It has but one blooming season, June, when it bears very abundantly a very bright self colored, medium pink flower of moderate size. See color plate opposite.

Dr. W. Van Fleet. One of the most important climbing roses, having perfectly formed buds, long and pointed, deep pink in color and very solid. The full blown flowers are very large, borne on long stems, fragrant and fine for cutting.

Dorothy Perkins. Beautiful shell pink, fragrant and full, blooming in clusters in June. The most popular of all climbing roses during the past few years. This is a very good rose for covering stone walls, fences, embankments and arbors.

Extra strong plants of any of the above, \$1.25 each; doz., \$12.00; \$90.00 per 100.

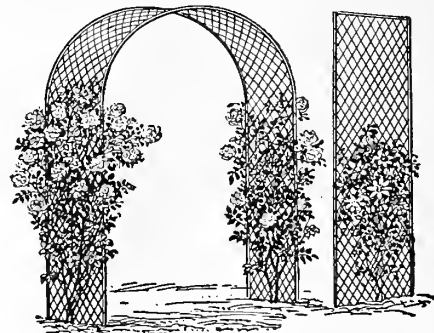
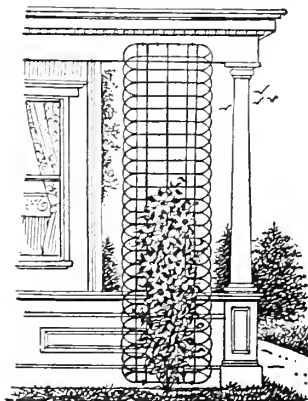
WIRE TRELLIS

Thoroughly galvanized and well made.

Any length desired up to 165 running feet.
18-inch wide, less than 165 ft. roll, 12c. per ft.
18-inch wide, in roll lots, 165 ft., 10c. per ft.
24-inch wide, less than 165 ft. roll, 14c. per ft.
24-inch wide, in roll lots, 165 ft., 12c. per ft.

GALVANIZED WIRE WORK

This can be furnished on short notice, any height or any width, in either trellises or arches. Made of heavy diamond mesh wire with strong frames. It requires usually about two weeks in which to complete orders for this. 50c. per sq. ft. on pieces aggregating 15 sq. ft. or over; less than 15 sq. ft., 60c. per sq. ft.



MICHELL'S CLIMBING ROSES



Extra Strong 2 Year Old Pot Grown Plants

Key	Each	Doz.	100
1—Christine Wright . .	\$1.25	\$12.00	\$90.00
2—Paul's Scarlet Climber	1.25	12.00	90.00
3—Climbing American Beauty	1.25	12.00	90.00

If Roses are wanted by Parcel Post add 25c each
for packing and mailing.
Ready for shipment about May 1st.

MICHELL'S HARDY POT-GROWN ROSES



Hybrid Perpetual Rose, Ulrich Brunner

HARDY HYBRID PERPETUAL ROSES

Before the development of the Hybrid Teas, this was the most popular type for garden planting and even now they should not be overlooked, but should be used extensively in conjunction with the other sorts. They are perfectly hardy and of vigorous growth, blooming tremendously in June and sometimes sparingly in Autumn. Hybrid Perpetuals are taller in growth and need more space than the Hybrid Teas; in pruning cut away all weak growth, and if quality of bloom is desired, cut back the strong canes to within 8 or 9 inches of the ground, but if quantity of bloom for garden effect is desired, leave these canes from 2 to 3 feet high, according to their strength.

American Beauty. Very large flowers, deep pink to carmine-ecrise, delicately veined with darker red. A strong grower and deliciously fragrant.

Frau Karl Druschki. This is the queen of all white roses both in size and purity. The flower is very double and opens to a pure snow white. The growth is vigorous and the plant is a most prolific bloomer during the month of June. Scattering flowers often appear in the Fall.

George Ahrends. One of the best pink Hybrid Perpetual Roses. The flowers are large and a beautiful pure delicate pink; a strong grower and very free flowering. This variety is sometimes called "Pink Druschki."

Gen. Jacqueminot. The old favorite "Jack" rose is still popular. The blooms are large, full and globular, having an excellent cup shaped form; in color they are brilliant scarlet crimson, with deep veining toward the base of the petals.

Magna Charta. An old variety of great merit. The blooms are of large size, in color a bright pink suffused with carmine. It is very fragrant and free flowering.

Mrs. John Laing. Beautifully formed shell-pink flowers; exceedingly fragrant and borne on strong stems; splendid for cutting. A good grower and one of the most popular roses.

Paul Neyron. Probably the largest rose in cultivation; in color a clear pink shading to soft rose and having a delightful fragrance. A strong vigorous grower.

Ulrich Brunner. Bright cherry red flowers of large size and good form, produced freely on long stems. An old favorite and very desirable.

Price, any of the above, \$1.25 each (by P. P., \$1.40); per doz., \$12.00 (by P. P., \$13.00); \$90.00 per 100.

CLIMBING HYBRID TEA ROSES

These are not quite as free flowering as the bush type of Hybrid Tea Roses, but they produce a large crop of beautiful flowers in June with a quite liberal scattering of flowers throughout the season. In pruning these cut out all small thin wood and cut the strong shoots back to prominent eyes.

Climbing Gruss an Teplitz. An exact counterpart of this most popular bush rose, excepting that it is of a vigorous climbing habit. The flowers are crimson-scarlet and produced in great quantities.

Climbing Hoosier Beauty. A climbing form of this beautiful Rose. Brilliant crimson scarlet flowers of exquisite form; long bud and very fragrant.

Climbing Kaiserin Augusta Victoria. Ivory white, identical with the parent K. A. Victoria, except its climbing habit.

Climbing Lady Ashtown. The best of all climbing H. T. varieties; a wonderful grower, producing throughout the entire season, numerous soft rose colored flowers, fine for cutting.

Climbing Lady Hillingdon. Like the parent plant the flowers are of a deep clear apricot throughout. It is of a strong climbing habit and very free flowering. One of the best Autumn bloomers.

Climbing Los Angeles. A decided acquisition to the list of Climbing Hybrid Tea Roses. A sport from this most popular variety, producing freely beautiful flowers of a luminous flame-pink toned with coral, shading to yellow at the base of the petals.

Climbing Mme. Caroline Testout. Large globular flowers of bright satiny-rose with brighter center, produced freely on a strong plant of climbing habit.

Climbing Sunburst. A true Sunburst of climbing habit.

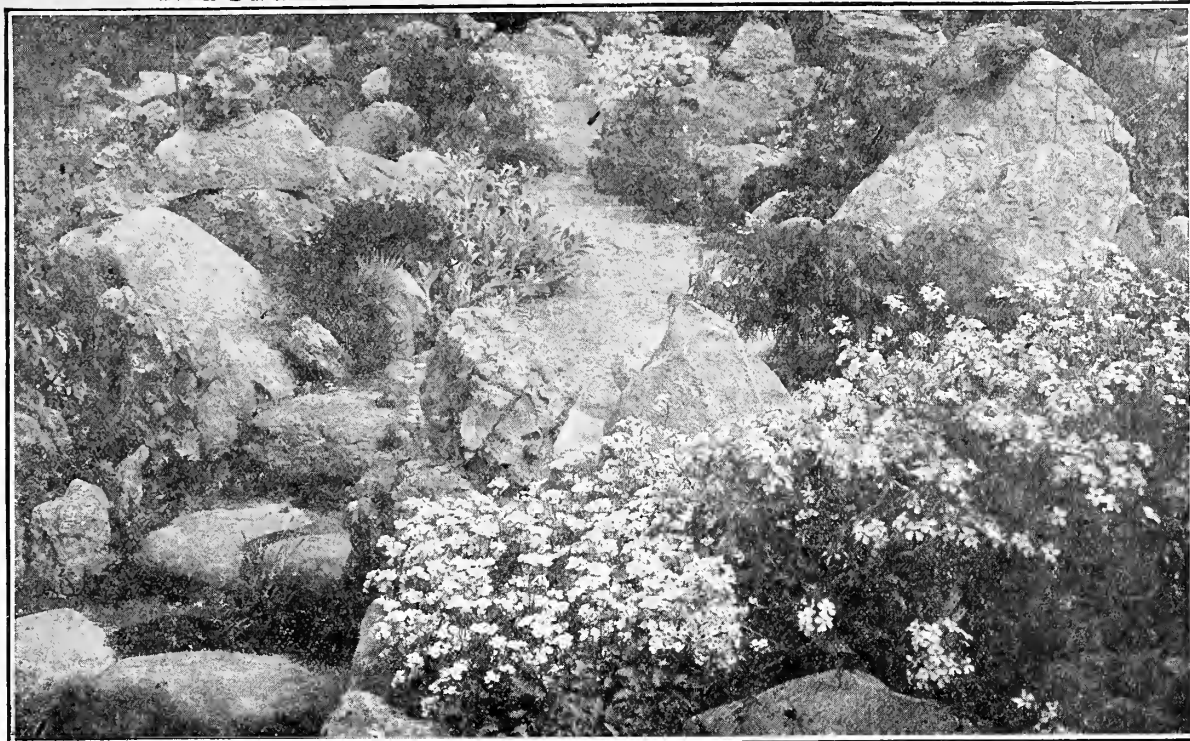
Price. Strong plants of any of the above Climbing Roses, \$1.25 each (by P. P., \$1.40); per doz., \$12.00 (by P. P., \$13.00); \$90.00 per 100.

ROSE INSURANCE

Can be best supplied if you use the celebrated formulas of Edwin M. Rosenbluth in **Fungtrogen, Insectrogen or Aphistrogen**, see page 187.



Climbing Hybrid Tea Rose, Lady Ashtown



Rock gardens are yearly increasing in popularity, as rockery building is a fascinating pastime and if one has only a few square yards of ground this will be found sufficient to grow quite a variety of plants, affording a great deal of pleasure in caring for them and watching the rockery develop.

One of the most interesting points of the rockery or rock garden is that each of us may build it according to our own ideas, providing it is correctly built as to drainage and the proper placing of the rocks in order to keep the soil in place.

The rock garden may be of any size from an unpretentious mound of soil with rocks cropping out here and there, to a miniature mountain range or a rock strewn valley with a small stream running through the center. Before building the rock garden, the location should be selected in an open sunny place or one in partial shade, according to the variety of plants desired; some do best in full sunlight while others require some shade. In either location the ground must be well drained.

The next step is to plan the rockery as to size and shape. Do not use too much stone, too little is better than too much, and use stones of a good size; small stones are of no use except for filling in or drainage. Place the stones so that they will keep the soil from washing when watering or during heavy rains.

Place the plants in the pockets of soil or in the open spaces between the rocks. Be sure, however, that the soil is firm around the roots of the plants.

Below will be found a list of plants we offer suitable for rock garden planting. Descriptions of these will be found on the pages following. All are suitable for a sunny position excepting those marked X; these do better in semi-shade.

PLANTS SUITABLE FOR ROCK GARDENS

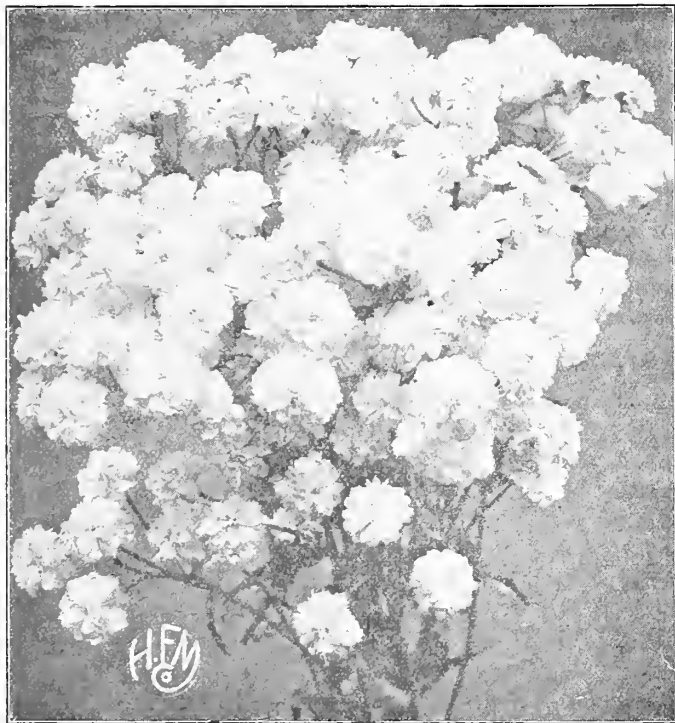
	Doz.	100		Doz.	100
Achillea, The Pearl.....	\$3.00	\$18.00	X Pachysandra, Terminalis.....	3.00	18.00
Alyssum, Saxatile Compactum.....	3.00	18.00	Phlox, Subulata Alba.....	3.00	18.00
X Aquilegia.....	3.00	18.00	Phlox, Subulata Lilacina.....	3.00	18.00
Arabis, Alpina.....	3.00	18.00	Phlox, Subulata Rosea.....	3.00	18.00
Armeria, Lauchiana Alba.....	3.00	18.00	Phlox, Amoena.....	3.00	18.00
Armeria, Lauchiana Rosea.....	3.00	18.00	X Phlox, Divaricata Canadensis.....	3.00	18.00
Aster, Alpinus.....	3.00	18.00	Plumbago, Larpentae.....	3.00	18.00
Aster, Alpinus Alba.....	3.00	18.00	X Primula, Veris.....	3.00	18.00
Aster, Alpinus Sub-coeruleus.....	3.00	18.00	X Primula, Vulgaris.....	3.00	18.00
Japanese Aster, Mauve Cushion.....	5.00	30.00	Ranunculus, Repens, Fl. Fl.....	3.00	18.00
X Dielytra, Spectabilis.....	5.50		X Saxifraga.....	3.00	18.00
Dianthus, Deltoides.....	3.00	18.00	Sedum, Acre.....	3.00	18.00
Dianthus, Deltoides Alba.....	3.00	18.00	Sedum, Sieboldi.....	3.00	18.00
Dianthus, Latifolius Atrococcineus.....	3.00	18.00	Statice, Latifolia.....	3.00	18.00
Ferns.....	4.00	25.00	Veronica, Incana.....	3.00	18.00
Hypericum, Moserianum.....	3.00	18.00	Veronica, Spicata.....	3.00	18.00
Iberis, Sempervirens.....	3.00	18.00	X Vinca, Minor.....	2.50	15.00
Lysimachia, Nummularia.....	3.00	18.00	Viola, Jersey Gem.....	5.00	35.00
X Lily of the Valley.....	7.00	50.00	Euonymus, Radicans.....	5.00	30.00
X Mertensia, Virginica.....	3.00	18.00	Euonymus, Radicans Variegata.....	3.50	25.00
X Myosotis Palustris Semperflorens.....	3.00	18.00	Euonymus, Radicans Vegeta.....	5.00	30.00
Oenothera, Missouriensis.....	3.00	18.00			

MICHELL'S HARDY PERENNIAL PLANTS

All of the old-fashioned flowers which were the delight of our grandmothers are to be found in this class of plants. They are all perfectly hardy and die down in the Fall, appearing again in the Spring with renewed vigor.

There is an ever increasing demand for hardy perennial plants, as they are of easy culture and there is not a time during the whole season when some are not in bloom. Each variety has a fixed time for flowering so that by making a judicious selection a succession of bloom may be had from early Spring until late Autumn. There is no set rule for the planting of perennials. The amount of room at one's disposal, the location and also the individual taste of the planter must be taken into consideration. Probably the most satisfactory results are obtained from a hardy border backed by a hedge or a fence, planting some of the taller growing sorts such as Hollyhocks, Hardy Asters, Bocconias, Helianthus and Boltonias in the back, graduating the shorter growing sorts toward the front and finishing the border with an edging of Plumbago Larpentae, Phlox Subulata, Arabis and other of the dwarf growers.

Our booklet "The Hardy Flower Garden" is an instructive publication and will be sent free on request.



Achillea

ACHILLEA (Milfoil or Yarrow)

Filipendulina (*Fern-leaved Yarrow*). Finely-cut foliage and brilliant yellow heads of flowers, lasting in full beauty all summer; 4 to 5 feet.

Millefolium Cerise Queen (*Rosy Milfoil*). Finely cut, deep green foliage; flowers cherry red in dense heads; 18 inches high.

Ptarmica Boule de Neige (*Ball of Snow*). An improvement on The Pearl; the flowers, while not quite so large, are of more perfect form, with fuller centers, which makes it appear purer in color.

— **The Pearl**. A mass of double pure white flowers throughout the entire Summer. The strong erect stems make it one of the best Summer flowers for cutting.

Tomentosa (*Wooley Yarrow*). Handsome cut foliage with bright yellow flowers. June; 12 inches. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

ACONITUM (Monkshood or Helmet Flower)

Fischeri. A dwarf variety growing 18 inches high, with large, pale blue flowers in September and October.

Spark's Variety. The darkest blue of all; flowers in June; 3 feet. Price, 3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$25.00.

SPECIAL NOTICE ON GUARANTEE.—We spare no effort to supply all plants, trees, etc., of the best quality in first class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is entirely within the power of the buyer or planter. If customers desire us to guarantee plants, trees, shrubs, hedge, etc., to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

AGROSTEMMA (Rose Campion)

Stout, erect-growing plants, with silvery foliage, which contrasts well with the showy flowers, produced during June and July. **Coronaria** (*Mullein Pink*). Bright rosy crimson; 2½ to 3 feet. **Coronaria Alba**. A pure white variety.

Price, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

ALYSSUM

Saxatile Compactum. An excellent low spreading plant for rockery or border, growing about 10 inches high and producing in May masses of golden yellow flowers. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

ANCHUSA

(*Sea Bugloss*)

Italica "**Dropmore Variety**."

Plants grow 4 feet high in pyramidal shape, branch freely and are loaded with bright blue, Forget-me-not-like flowers in June; very showy and valuable. 3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$22.00.



Aconitum



Anemone—Japonica

ANEMONE JAPONICA (Windflower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom until cut down by hard frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; the flowers appear in August and remain till frost. They require winter protection with leaves, straw or long manure, which amply repays one for the extra trouble taken.

Queen Charlotte. Very large semi-double flowers of La France pink, a color that is rare among hardy plants.

Whirlwind. Large, semi-double pure white flowers, very free.

Hupehensis. A native of central China, resembling *Anemone Japonica* in a miniature way. The plant grows from 10 to 12 inches in height and is wonderfully free flowering from early August until late Autumn. A pleasing mauve-rose in color.

Rubra. A lovely rosy-red with bright yellow stamens.

Price of *Anemones*, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

AQUILEGIA (Columbine)

For spring blooming these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their attractive foliage, during May and June. For rockery gardens, semi-shaded places, in hardy borders or planted in clumps, they are very effective.

Michell's Long Spurred Hybrids. This is the most admired type of *Columbines*. They have been produced from the strains of several famous hybridizers and much superior to the usual grade. The plants are of strong, thrifty growth. The flowers of largest size vary in color through charming tones of cream, pink, lavender, blue, white, red, etc., hardly any two being exactly alike. We offer them in mixed colors only.

Canadensis (*Common American Columbine*). The native bright red and yellow variety, and one of the brightest.

Chrysantha (*Golden Columbine*). Bright yellow, long-spurred flowers.

Coerulea (*Rocky Mountain Columbine*). Bright blue and white long-spurred flowers.

Rose Queen. A newer variety of a pleasing shade of delicate pink, long-spurred flowers.

Vulgaris (*Common European Columbine*). Violet blue.

Price of *Aquilegias*, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

ARABIS (Rock Cress)

Alpina. One of the most desirable of the very early spring-flowering plants that is especially adapted for edging and for the rock garden, but does equally well in the border, forming a dense carpet, completely covered with pure white flowers. Lasts for a long time in bloom. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

ARMERIA (Sea Pink or Thrift)

Attractive dwarf plants that will succeed in any soil, forming evergreen tufts of bright green foliage, from which innumerable flowers appear in dense heads, on stiff, wiry stems, from 9 to 12 inches high. They flower more or less continuously from early spring until late in the fall. Very useful in the rockery.

Lauchiana Rosea. Bright rose.

Lauchiana Alba. White.

Price, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

ARTEMISIA

A most useful class of plants either for the border or for filling in within the shrubbery. With the exception of the variety *Lactiflora*, described and illustrated on page 118, they are not remarkable for their flowers; the foliage of the sorts offered is very ornamental. All these varieties offered stand cutting down to 5 or 6 inches when used in carpet or ribbon bedding.

Abrotanum (*Old Man, or Southern-wood*). Dark green, finely cut foliage, with pleasant aromatic odor; 2 feet.

Lactiflora. See page 118.

Pedemontana. A handsome variety with finely cut silvery foliage.

Silver King. A new variety with beautiful, bright silvery foliage, which can be cut and dried, and which will retain its silver color all winter. 50c. each; per doz., \$5.00.

Stelleriana (*Old Woman*). Deeply-cut silvery foliage; much used in carpet bedding; 18 inches.

Price of *Artemisias* (except where noted), 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Aquilegia (Columbine)

MICHELL'S HARDY PERENNIAL PLANTS



Artemisia Lactiflora

ARTEMISIA LACTIFLORA

Unlike the other varieties offered, which are grown for their foliage, this comparatively new introduction from China is a most effective flowering plant, with erect stems $3\frac{1}{2}$ to $4\frac{1}{2}$ feet high, clothed with elegantly cut, dark green foliage and terminated by panicles of Hawthorn-scented, creamy white Spirea-like light and graceful flowers. It is at its best from the latter part of August to the end of September, and is particularly valuable on this account, being unlike any other plant in bloom at that time. 3 for \$1.00 (by P. P., \$1.20) \$3.00 per doz.; per 100, \$18.00.

ASCLEPIAS (Butterfly Weed)

Tuberosa. Very showy native plants, about 2 feet high, producing their flowers of brilliant orange-scarlet during July and August. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

DWARF ALPINE ASTERS

Alpinus. Indispensable for the rockery or edge of hardy borders; grows 6 to 10 inches high and bears large, showy bluish-purple flowers in May and June.

Alpinus Albus. Identical to the above, but with pure white flowers.

Sub-coeruleus. Forms a dense tuft of leaves from which spring many leafless stems 12 inches high, bearing in June and July large, bluish-violet flowers.

Price of Alpine Asters, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

JAPANESE HARDY ASTER

Mauve Cushion. An entirely distinct species. It forms a circular cushion-like plant $2\frac{1}{2}$ feet across, rarely exceeding 9 inches in height. The flowers of delicate, soft mauve, with silvery white reflection, measure over $1\frac{1}{4}$ inches in diameter and are produced in such lavish profusion as to completely cover the plant; the blooms begin to expand early in October, but are not at their best until November. 2 for \$1.00 (by P. P., \$1.20); \$5.00 per doz.; per 100, \$30.00.

HARDY ASTERS

Tall-flowering, stately plants, which may be used with splendid effect in borders or in clumps as specimens on lawns, in large groups or beds. They form the basis of a color scheme in a perennial border during the months of September and October, and last well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in the sun or partial shade. For cutting they are invaluable. The wide range of color makes this one of our finest summer and autumn-flowering perennials.

FALL FLOWERING VARIETIES

Anita Ballard. Light Lobelia blue, shading to lighter center. Early and free. 3 feet.

Autumn Beauty. An exquisite shade of light blue; very large flowers, commencing to bloom in the late summer and continuing almost up to frost time; height, about 4 feet.

Glory of Colwall. A splendid improvement on the variety Beauty of Colwall, with good-sized, nearly double, ageratum-blue flowers; remarkably free flowering; $2\frac{1}{2}$ feet, September and October.

Miss Eisele. Very large flowers of a beautiful lavender blue; one of the best; 3 feet.

Novae Angliae. Bright violet-purple flowers in abundance during the early autumn; 4 feet.

Novi Belgii Climax. Of strong, vigorous habit, 5 feet high; branched pyramidal-shaped flower stems; lavender-blue flowers. August-October.

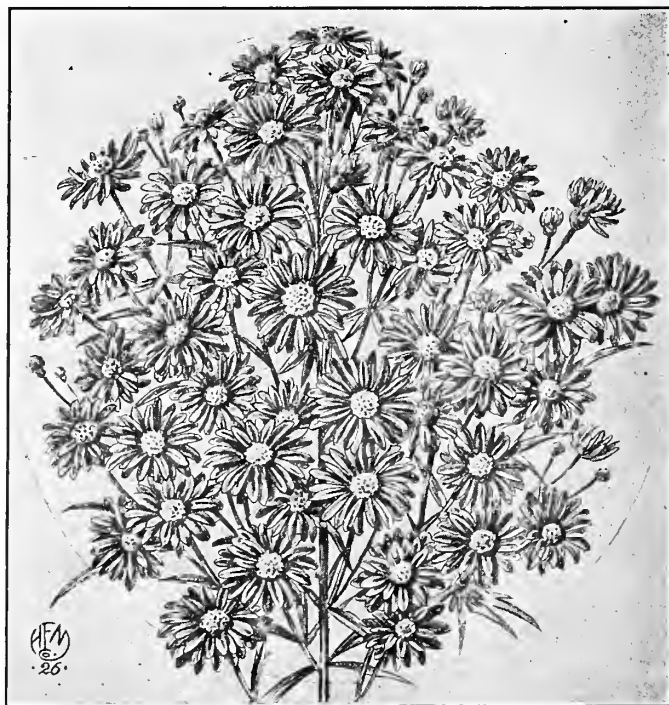
Perry's White. A strong grower whose branches in the early Autumn are literally covered with large white flowers with a golden center, which turns to crimson as the flower matures; 4 feet.

Roseum Superbum. This is one of the best hardy Asters we have ever seen. The color is almost red; profuse bloomer.

Sam Banham. Very large and graceful pure white flowers. One of the earliest to bloom; 3 feet.

St. Egwin. Densely branched, producing beautiful pink flowers; 3 feet; September.

Price, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Hardy Aster, Roseum Superbum



Campanula—Media

CAMPANULA (Bell Flower)

Showy perennial plants of special merit; some are tall, being suitable for borders; others are dwarf, for rockeries and edging. In every well-ordered hardy garden Campanulas should have a prominent place. They delight in a good rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. If the flowers of Campanulas are cut as they fade it greatly prolongs the blooming period of the plant.

Calycanthema (*Cup and Saucer*). These are biennials, and last only one season, when planted in the autumn. Pink, white and blue, each color separate; height, 18 inches; June-July.

Media (*Old-fashioned Canterbury Bells*). This is a biennial type, like the Calycanthema, and will last only one season, when planted in the autumn. It flowers freely in June, July and August, and grows 3 to 4 feet high. Blue, pink and white, in separate colors.

Pyramidalis (*Chimney Bell Flower*). The most conspicuous of all Campanulas, forming a perfect pyramid 4 to 6 feet high of porcelain blue flowers in August.

Any of the above, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

NEW HARDY CARNATIONS

"Miss America"

This is a decided acquisition to the hardy garden, flowering freely from early Summer until very late in the Autumn. In fact it has been seen in full bloom when snow was on the ground. The flowers are bright crimson, and borne on long stiff stems; equal in size to the Winter flowering Carnations grown under glass and are distinctly clove scented.

This new carnation is worthy of a place in every garden and it also makes an excellent subject for the window garden, as it flowers freely at all times. 3 for \$1.10 (by P. P., \$1.25); \$3.50 per doz.; per 100, \$22.50.

Glady's Canfield

A new hardy variety, bearing a profusion of beautiful single clear pink flowers with a red eye. 50c. each (by P. P., 60c.); doz., \$5.00.

HARDY BORDER CARNATIONS

Choice mixed seedlings produced from seed. We supply strong plants that will furnish an abundance of double flowers this season. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

ASTILBE ARENDSII

This new type is the result of crossing *A. Davidi* with *A. Japonica Compacta*, *Astilboides* and *Thunbergi*. The plants are of very vigorous growth, 2½ to 3½ feet high, producing many branched feathered heads of flowers in June and July. They prefer a half-shady, moist position in any ordinary garden soil.

Diamant. Pure white flowers in loose clusters.

Gloria. Large feathery spikes of deep pink flowers, shaded carmine.

Granat. Dark crimson; one of the darkest colors yet introduced.

Hyacinth. A beautiful mauve-rose.

3 for \$1.75 (by P. P., \$2.00); \$6.00 per doz. .

BOCCONIA

(Plume Poppy, or Tree Celandine)

Cordata. A noble, hardy perennial, beautiful in foliage and flower; admirably adapted for planting in the shrubby borders, center of beds and in bold groups in almost any position. It will grow in any soil or situation, attaining from 6 to 8 feet in height; flowers in terminal panicles, of a creamy-white color during July and August. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

BOLTONIA (False Chamomile)

Among the showiest of our native hardy perennial plants, with large single, Aster-like flowers. The plant is in bloom during the summer and autumn months, and with its thousands of flowers open at one time, produces a very showy effect.

Asteroides. Pure white; very effective; 5 to 7 feet.

Latisquama. Pink, slightly tinged with lavender, 4 to 6 feet.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

CARYOPTERIS (Blue Spirea)

Handsome, free flowering perennials, of bushy habit; very valuable for their late blooming season. For bedding or pot culture.

Mastacanthus. Rich violet flowers produced in great profusion the whole length of the branches. 2 to 3 feet. September and October. 3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$20.00.

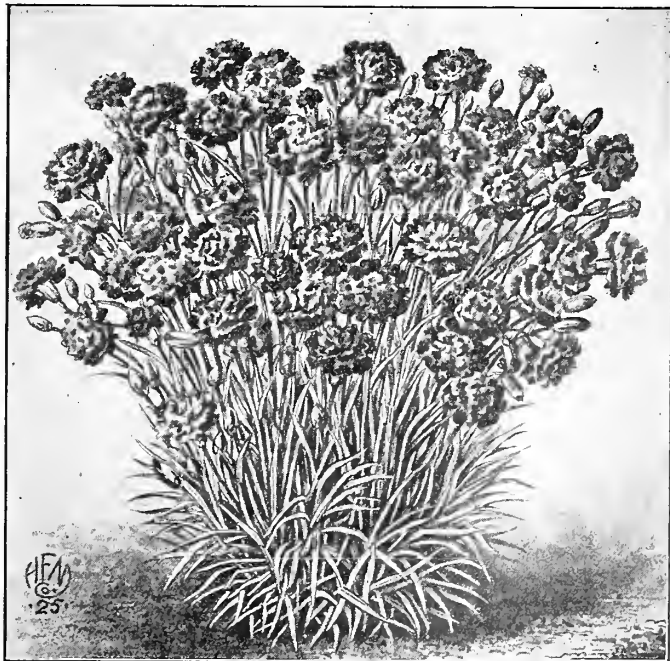
CENTAUREA (Hardheads or Knapweed)

Of easy culture, delighting in an open, sunny position, producing a wealth of bloom, which not only makes a fine display in the border, but is excellent for cutting.

Montana (*Perennial Corn Flower*). Grows 2 feet high, bearing large violet blue flowers from July to September.

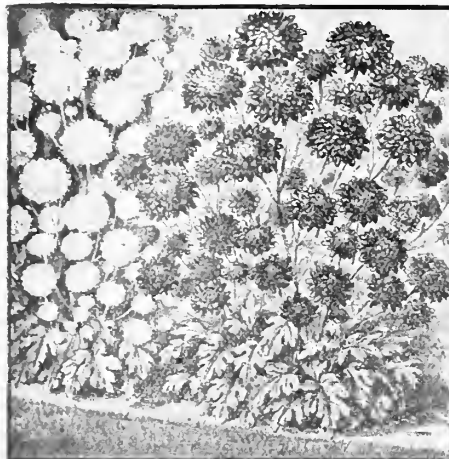
Montana Alba. Large white variety of the above.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

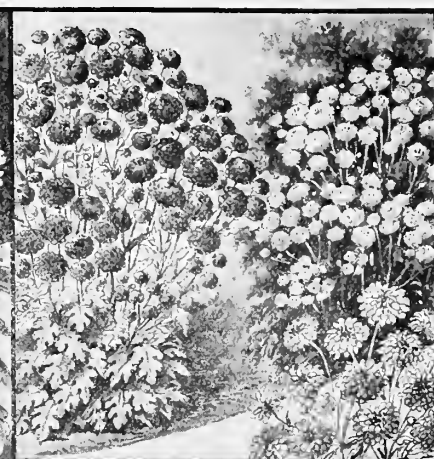


Hardy Carnation, Miss America

MICHELL'S HARDY PERENNIAL PLANTS



HARDY GARDEN



CHRYSANTHEMUMS.

These showy and effective favorites are now universally popular. When planted outside they extend the flowering season of your perennial garden, blooming profusely in October after other flowers have been browned by early frosts, which do not affect the Chrysanthemums, producing a wealth of bloom especially fine for cutting. They should be planted in a well drained position either in the hardy border or at the edge of a shrubby border. The planting should be done early in the Spring, so that the plants will have the entire Summer to establish themselves, and late in the Autumn, after they have finished flowering and the tops have been cut off they should have a covering of leaves or loose litter as a Winter protection, but do not cover with manure. Early in the Spring after danger of severe freezing is over and before any growth starts, the covering should be removed.

A. Barham (*Large Flowering*). A beautiful orange-bronze; early.

Cranfordia (*Large Flowering*). In this variety we have an early flowering Chrysanthemum that covers every possible point, perfect in flower, stem and foliage. Each plant will carry from 10 to 12 beautifully finished flowers of a deep bronze yellow; should be in every collection.

Eden. Beautifully formed flowers, rose-pink in color.

Fee Parisienne (*Large Flowering*). Large deep rose flowers; early.

Firelight. Bright red, Aster flowered.

Glory of Seven Oaks (*Large Flowering*). Golden yellow; dwarf and very free.

Golden Climax (*Pompon*). Orange yellow, one of the finest yellows now in cultivation. This variety has been admired more than almost any other in the various Chrysanthemum Shows.

Iva (*Button*). Very small deep bronze.

L'Argenteuillius (*Large Flowering*). Deep chestnut shaded crimson, coming into flower early in October. Very strong grower and free bloomer.

La Garonne (*Large Flowering*). Rose and buff in color; very attractive.

Lilian Doty (*Pompon*). The finest pink in the large flowering section of the Pompon family. A strong grower and producing beautiful sprays of clear light pink flowers.

Mrs. Nellie Kleris (*Pompon*). An improved Lilian Doty, but the color is more evenly diffused over the flower. The flowers are equally as large as Lilian Doty and the plant is a fine sturdy dwarf grower.

Mrs. W. E. Buckingham (*Single*). Mid-season pink; has proved itself one of the best varieties for cutting ever introduced. We cannot recommend this variety too highly.

Nellie Irwin (*Pompon*). A true Pompon; clear bright yellow in color and having fine clean foliage and stiff stems.

Normandie. White tinted blush-pink; very early.

Oconto (*Large Flowering*). A Japanese variety with white flowers, on strong stiff stems; early.

Petit Jean (*Large Flowering*). A fine white; early.

Provence (*Large Flowering*). Light pink; early.

White Doty (*Pompon*). A sport of the popular variety Lilian Doty, identical in every way except color, which is a pure milk white.

Yellow Doty. One of the most robust growers in our collection, producing an abundance of bright, golden-yellow flowers.

Price of Hardy Chrysanthemums, 4 for \$1.00 (by P. P., \$1.20); \$2.75 per doz. (by P. P., \$3.10); per 100, \$15.00.

CHRYSANTHEMUM (*Shasta Daisy*)

Shasta Daisy (*Alaska*). A decided improvement on the original, with blooms $4\frac{1}{2}$ to 5 inches across, of pure glistening white. Very free-flowering and in bloom all summer and fall. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

Arcticum (*The Arctic Daisy*). One of the most attractive fall-flowering perennials. It forms a rosette-like clump of pretty dark green foliage during the Summer and early in the Fall sends up multitudes of large pure white flowers, which continue throughout October and frequently into November.

SHRUBBY CLEMATIS

Davidiana. A most desirable variety with fresh bright green foliage and bell-shaped flowers of deep lavender blue during August and September; very fragrant.

2 for \$1.00 (by P. P., \$1.20); \$4.00 per doz.

CHELONE (*Shell Flower*)

Handsome perennials growing about two feet high and bearing numerous spikes of large flower heads during the Summer and Fall.

Lyoni. Heads of showy purplish-red flowers. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

COREOPSIS

Lanceolata Grandiflora. Flowers rich golden yellow and of graceful form; fine for cutting. A few plants make a handsome display, either planted individually or in clumps; dozens of flowers are produced on a single plant, and where quantity and quality are wanted Coreopsis should be planted; June till October. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

DELPHINIUMS OR HARDY LARKSPURS

In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground, the latter should have a good natural drainage. Never use animal manure in planting Delphiniums, unless it has been incorporated in the soil a year before planting. Pure bone-meal is the best fertilizer in promoting growth; apply with it also some wood ashes; the latter will assist in holding in check earth grubs, which at times attack the roots and crowns of the plant. In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads in succession. To get the best out of hardy Larkspurs in the way of flowers, feed them occasionally during the growing season with an application of ground bone. A slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit.

Belladonna. The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty by any other flower.

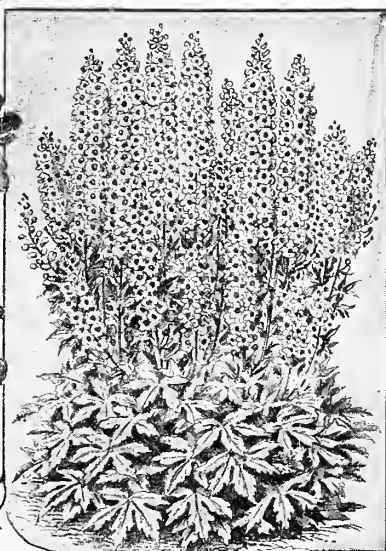
Bellamosum. A dark blue form of Belladonna with which it is identical excepting in color, which is a rich deep blue.

Chinense. A very pretty dwarf species, with fine feathery foliage and intense gentian-blue flowers in open panicles.

Album. A pure white form of the above.

Michell's Gold Medal Hybrids. Unquestionably the finest strain of mixed hybrids offered. The original stock came from England, and consisted of the best-named varieties. The plants are of strong, vigorous habit, with large flowers on spikes two feet and over long, the majority running in the lighter shades of blue. We can supply them in mixture only.

Price. Any of the above. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Hardy Delphinium

DIANTHUS (Garden Pinks)

These are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging hardy borders, garden walks, or planted in rock gardens, they fill an important place. They are at their height of bloom in June.

Deltoides (Maiden Pink). A continuous flowering variety with pink flowers. Especially suited for rock work.

Deltoides Alba. White flowers.

Latifolius Atrococcineus Fl. Pl. (Ever-blooming Hybrid Sweet William). A splendid variety with brilliant crimson, double flowers. Blooms continuously during the entire season.

Any of the above, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

DIGITALIS (Foxglove)

These are showy plants, but are biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is, a number of new plants start from the old crown, which produce splendid flowers the second year. Digitalis will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flower in June.

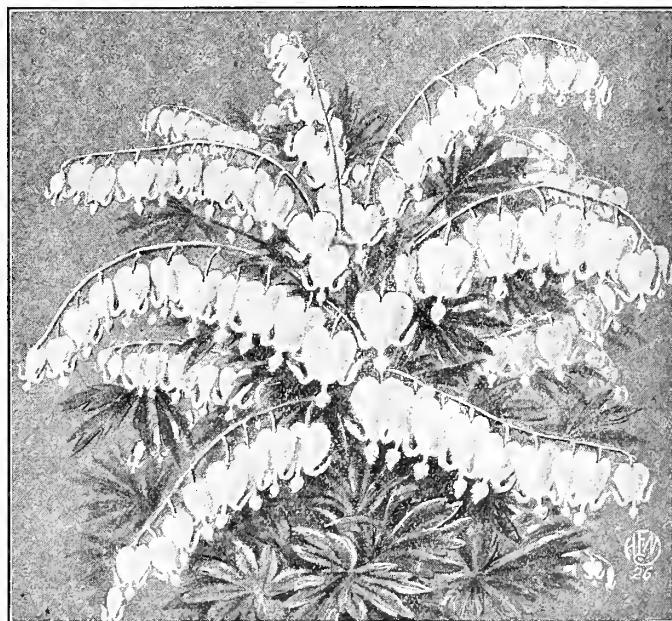
Gloxinaeflora. White, Pink, Purple, Lilac. Each separate.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

ERYNGIUM (Sea Holly)

Handsome ornamental plants, growing from 2 to 3 feet high. Effective in flower and shrubby border, woodlands, wild gardens, etc.; the flower heads which are produced from July to September, are useful to cut for vases or to dry for winter bouquets.

Amethystinum. The finely-cut, spiny foliage and the beautiful thistle-like heads are of glistening amethystine-blue. A most ornamental plant. 3 for \$1.10 (by P. P., \$1.30); \$3.50 per doz.; per 100, \$22.00.



Dielytra Spectabilis

DIELYTRA or DICENTRA

(Bleeding Heart or Seal Flower)

Spectabilis. We are fortunate in again being able to offer this old fashioned favorite, its long sprays of graceful heart shaped flowers are always attractive. A most satisfactory plant for the hardy border, especially when it can be planted in the shade. 2 for \$1.10 (by P. P., \$1.30); \$5.50 per doz. (by P. P., \$6.00).

"The Hardy Flower Garden"

A comprehensive treatise of 40 pages, on Roses, Hardy Perennials, Shrubs and Vines. This book is free. Send for a copy.

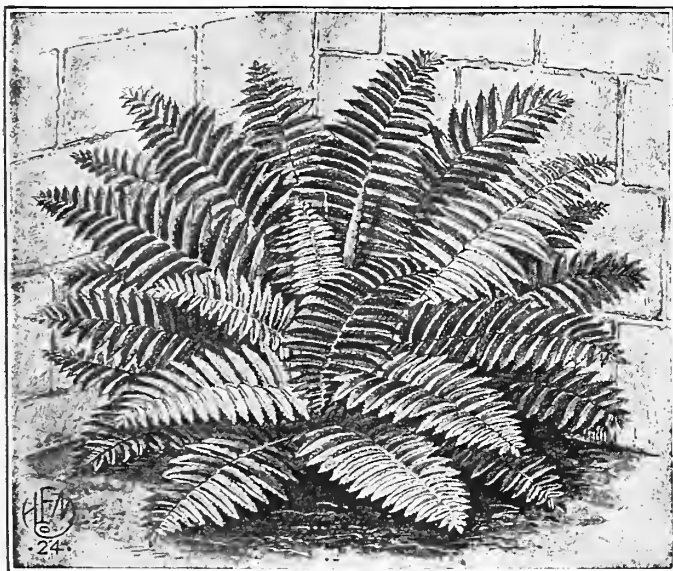
MICHELL'S HARDY PERENNIAL PLANTS

EUPATORIUM

Coelestinum. A pretty hardy plant, with light blue flowers similar to the Ageratum. This is a particularly fine thing in hardy perennials; a splendid cut flower. 18 to 24 inches. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

EUPHORBIA (Milk Wort)

Corollata (Flowering Spurge). A very showy and desirable native plant, growing about 18 inches high and bearing from June to August umbels of pure white flowers with a small green eye. Desirable for cutting. Price, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Hardy Fern

HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May.

ADIANTUM Pedatum (Maidenhair Fern). 12 inch.

ASPIDIUM Acrostichoides (Christmas Fern). 12 inch.

— **Goldianum (Shield Fern).** 24-36 inches.

ASPLENIUM Filix foemina (Lady Fern). 12-15 inch.

CYSTOPTERIS Bulbifera (Bulblet Bladder Fern). 24 inch.

DICKSONIA Punctilobula (Gossamer Fern). 18 inch.

ONOCLEA Struthiopteris (Ostrich Fern). 24-36 inch.

— **Sensibilis (Sensitive Fern).** 12 inch.

OSMUNDA—Cinnamonea (Cinnamon Fern). 24 inch.

— **Claytoniana.** 24 inch.

WOODSIA Ilvensis. Excellent for rock-work, requiring little soil and thriving best in the sunniest corner. 6 inch.

Price, any of above, in large plants, 2 for \$1.00 (by P. P., \$1.20); \$4.00 per doz.; per 100, \$25.00.

FUNKIA (Plantain Lily; Day Lily)

Japanese perennials producing attractive clumps of foliage and interesting lily-like blossoms. A continuous row along a walk gives a strong and pleasing character. Delight in moist, shady situations. The variegated foliage of some species is extremely beautiful and striking for decorative work.

Coerulea. Blue flowers, broad green leaves; June; 4 feet.

Subcordata Grandiflora. Very large, pure white, lily-shaped, fragrant flowers in August and September; 2½ to 3 feet. 50c. each; per doz., \$5.00.

Undulata Media Picta. Green and white variegated foliage; purple flowers. Makes a fine edging; July; 2 feet.

Price (except where noted), 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Gaillardia, Grandiflora

GAILLARDIA (Blanket Flower)

Beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

Grandiflora. Dark brown center, petals on the outer edge are yellow, and the center is surrounded with a rich orange disc. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

GEUM (Avens)

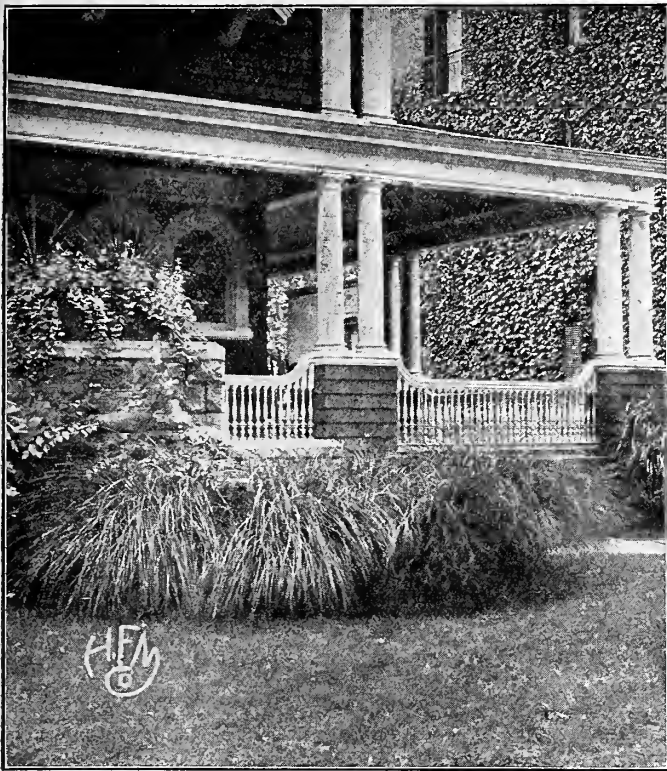
Well-known plants noted for their rich coloring and freedom of flowering. Useful for cutting and the rockery or border. May to July.

Coccineum, Mrs. Bradshaw. Twice the size of the old double scarlet with huge frilled petals, giving a full, double appearance. 6 to 10 inches. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

GYPSOPHILA (Baby's Breath)

During August and September this is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep for months without water.

Paniculata. Feathery sprays of white flowers; useful for effects in bouquets. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Pennisetum Japonicum

GRASSES (Hardy Ornamental)

The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. Excellent as individual specimens.

Elymus Glaucus (*Blue Lime Grass*). A graceful growing type with narrow silvery blue foliage; a dwarf compact grower; height, 3 feet.

Erianthus Ravennae (*Plume Grass or Hardy Pampas*). Deep green narrow foliage, growing about 10 feet high.

Eulalia Gracillima Univittata (*Japan Rush*). Graceful narrow foliage, growing 5 to 6 feet. Green, with silvery rib.

Eulalia Japonica Variegata. An attractive variety with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.

Eulalia Japonica. Like the variegated variety, except that it is entirely green.

Eulalia Japonica Zebrina. Dark green foliage, crossmarked horizontally golden yellow. One of the best of hardy Grasses.

Phalaris Arundinacea Variegata (*Variegated Ribbon Grass or Gardener's Garter*). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green. 12 to 15 inches.

Pennisetum Japonicum (*Hardy Fountain Grass*). One of the most valuable hardy Grasses, either for beds, mixed borders or as individual specimens. Height, 4 feet.

Prices of Hardy Grasses, 3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$22.50.

HELIANTHUS (Hardy Sunflower)

Very effective in borders, among shrubbery or as clumps on the lawn, etc. They produce masses of flowers during summer until frost, which are splendid for cutting and decorative purposes.

Maximiliana. The latest of all, blooming profusely in October; the fine golden yellow flowers appear in long graceful sprays; splendid for cutting; 5 to 7 feet.

Multiflorus Fl. Pl. Large, double golden yellow; July-August; 4 feet.

Oryalis. A tall variety bearing single yellow flowers of medium size during September; 6 feet.

Rigidus Japonicus. One of the most desirable varieties, beginning to bloom early in July and continuing until fall; flowers golden-yellow, with dark centers; 5 feet.

Price, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Helienium

HELENIUM (Sneezewort)

These desirable perennials succeed in almost any soil, in a sunny location. The flowers are splendid for cutting.

Autumnale Rubrum. Bright, terra-cotta red; 4 feet.

Autumnale Superbum. Golden yellow flowers in late Summer and Fall; 5 to 6 feet.

Price, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; \$18.00 per 100.

HELIOPSIS (Orange Sunflower)

This genus is very similar to the Helianthus. They are tall-growing plants, well suited for the back of flower borders, where they flower beautifully throughout the summer.

Pitcheriana. One of the best hardy plants for the perennial border. Daisy-shaped flowers of deep orange color, on good stems for cutting. 2 to 3 feet.

Scabra Excelsa. A new variety with very rich chrome-yellow flowers, turning to a bright yellow as they mature. These are almost double, having from 4 to 5 rows of petals, and are produced very profusely. The plant is of robust growth, about 3 feet high. Mid-July to the end of August.

Price, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; \$18.00 per 100.

HEUCHERA (Alum Root or Coral Bells)

Sanguinea. Bright crimson flowers, borne in graceful sprays; excellent for cutting. 3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$20.00.

HIBISCUS (Mallow)

Giant Flowering. A wonderfully improved form of our greatly admired Marsh Mallows. They are unusually attractive and form real show plants during their flowering season. They attain a height of 6 to 7 feet, have beautiful lacinated foliage and monstrous flowers, measuring from 6 to 8 inches in diameter. We offer these in mixed colors only. 3 for \$1.15 (by P. P., \$1.35); \$4.00 per doz.; per 100, \$25.00.

IRIS GERMANICA (Fleur de Lis)**TWELVE SUPERB NEW AND RARE VARIETIES**

Afterglow (*Sturtevant*, 1917). Misty lavender lit with yellow at the center. Its name fits it perfectly as it has the soft tints of the evening sky after the sun has disappeared; 3 to 5 feet tall. 50c. each.

Alcazar (*Vilmorin*, 1910). Standards light bluish violet; falls deep purple, bronze veined at the throat. One of the very handsome dark purple Irises of fine type and excellent as a specimen plant. Its growth is robust and strong with widely branching flower stalks, bearing large blooms of waxy texture; 4 feet tall. 35c. each.

Ambassadeur (*Vilmorin*, 1920). Overlapping standards dull purplish bronze. Lovely flaring falls, deep velvety maroon. Beard and styles yellow. A strong grower, carrying large flowers of heavy substance which stand boldly erect. The coloring is exceedingly rich and striking; 4 feet tall. \$1.00 each.

Colonel Candelot (*Millet*, 1907). Standards bronze overlaid with red lavender; falls rich velvety crimson; yellow beard. A wonderfully beautiful Iris of dark red effect; 3 feet tall. 50c. each.

Dream (*Sturtevant*, 1918). A clear even pink. A delicate and beautiful Iris and a very close approach to the perfect pink self. A charming Pallida type; 3 feet. \$1.25 each.

Lent A. Williamson (*Williamson*, 1918). Standards lavender violet; falls velvety pansy purple; brilliant orange beard. Massive flowers of wonderful texture; growth unusually vigorous and robust; a marvelously prolific bloomer. 75c. each.

Lord of June (*Yeld*, 1911). Standards lavender blue; falls rich violet blue. The flower is very bold and full proportioned, the edge of the standards being notched and the falls slightly incurving. The standards are somewhat weak and do not stand up well under strong sun or heavy rain but it is wonderful in ideal weather. 50c. each.

Medrano (*Vilmorin*, 1920). Rich rose purple, the falls encrusted with dark maroon, flecked with buff and lavender. Very rare color but very attractive and outstanding. Blooms are of good size and stems medium height. \$1.25 each.

Opera (*Vilmorin*, 1916). Standards reddish lilac; falls purple violet, dark and velvety. A very prolific bloomer and robust grower. An Iris of wonderful coloring, so bright and rich as to attract the eye clear across the garden; attractive and desirable. 75c. each.

Queen Caterina (*Sturtevant*, 1917). A large iridescent pale lavender violet with yellow beard. The flower is of high quality, with domed standards and rounded, drooping falls. Vigorous robust grower, wonderful stems and remarkable bloomer. Most pleasing and satisfactory; 3 feet tall. \$1.00 each.

Shekinah (*Sturtevant*, 1918). Soft lemon yellow deepening to rich yellow around its bright orange beard. Unquestionably the first and one of the finest tall yellows ever produced. Majestic Pallida type. Very free flowering; 3 feet tall. 75c. each.

Souv. de Mme. Gaudichau (*Millet*, 1914). A brilliant velvety black purple. It has great size, splendid height, excellent substance, clear distinct color and wonderful vigor. Free blooming and striking in the garden, it is undoubtedly one of the finest Irises ever created; 40 inches tall. \$1.50 each.

TWELVE CHOICE STANDARD VARIETIES

Fro. Standards deep gold; falls chestnut brown; a highly colored variety. 40c. each; doz., \$3.50; \$25.00 per 100.

Halfdan. Large, creamy white flowers of good substance.

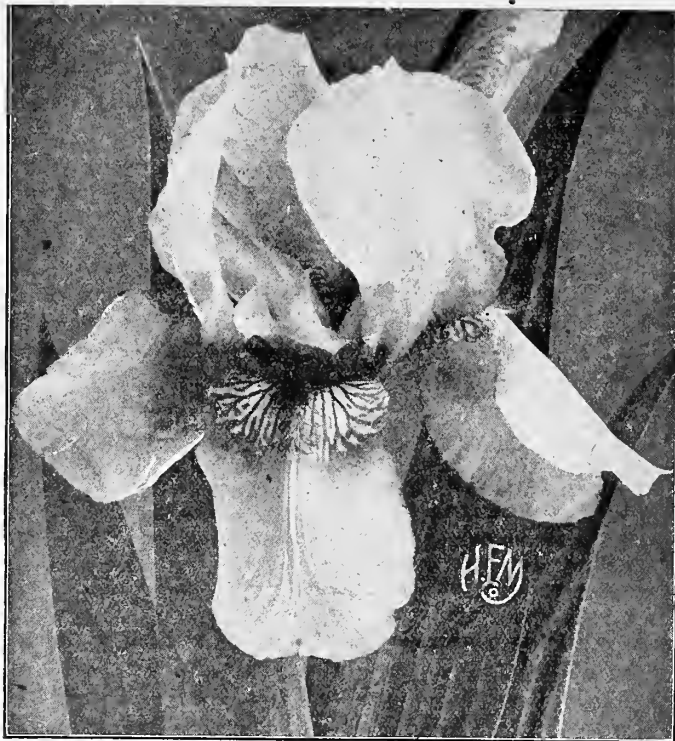
Monsignor. Standards satiny violet; falls velvety purple crimson, with lighter margin; very large flower. 40c. each; doz., \$3.50; \$25.00 per 100.

Mrs. Alan Gray. Standards and falls delicate pale rosy mauve; medium early. 40c. each; doz., \$3.50; \$25.00 per 100.

Navajo. Standards light bronzy yellow, shaded lavender; falls deep maroon, veined white and yellow; stigmas yellow; deep orange beard. 40c. each; doz., \$3.50; \$25.00 per 100.

Nibelungen. Standards fawn yellow; falls violet purple with fawn margin; a handsome, large flowering variety. 40c. each; doz., \$3.50; \$25.00 per 100.

Pallida Dalmatica. Standards and falls clear lavender blue shading to pale silvery blue at the base; large spreading flowers, sweetly scented. This variety is much confused with other Pallida types, which have been widely distributed under this name. The true Dalmatica can be easily distinguished by its form and light silvery shading at the base of the petals and its heavy glaucous foliage. 40c. each; doz., \$3.50; \$25.00 per 100.

*Iris Germanica*

Pallida Mandraliscae. Rich, lavender purple; tall, large and handsome; very early. 40c. each; doz., \$3.50; \$25.00 per 100.

Powhatan. Standards light bishop violet with deeper border; falls deep purple, shaded crimson; large, horizontal spreading flower. 40c. each; doz., \$3.50; \$25.00 per 100.

Queen of May. Standards and falls lovely, soft rose lilac, almost pink.

Walhalla. Standards light, lavender blue; falls satiny violet blue.

Wyomissing. Standards creamy white, suffused soft rose; falls deep rose base, shading to flesh colored border. 40c. each; doz., \$3.50; \$25.00 per 100.

Named sorts, any of the above (except where noted), 3 for \$1.00; \$3.00 per doz.; \$18.00 per 100.

Mixed German Iris. 6 for \$1.00 (by P. P., \$1.15); per doz., \$1.50 (by P. P., \$1.75); \$10.00 per 100.

IRIS KAEMPFERI (Japanese Iris)

The King of all Iris and in popularity they can be classed with the Hardy Phlox and Peonies; coming into flower about the middle of June, they continue for five or six weeks and are particularly welcome at this time. They succeed in almost any soil and like plenty of water when forming their flower buds.

Astarte. Double; beautiful dark violet.

Gold Bound. A fine double pure white, enriched by a creamy glow from the gold banded center.

Helene. Double; blue ground slightly veined with dark blue.

Hercules. Double; clear lilac-blue.

Iphigenie. Double; beautiful coloring, deep Chinese lilac.

Melpemone. Double; soft blue distinctly veined with dark blue.

Proserpine. Single, bright rich blue, produced by sanding of velvety blue on white.

Purple and Gold. Enormous double flowers, ten inches across; early and free blooming; color, rich violet purple with white petaloids, tipped violet; the conspicuous golden throat extends outward in sharp bluish white rays.

Price, any of the above named sorts of Japanese Iris, 2 for \$1.00 (by P. P., \$1.10); \$5.00 per doz. (by P. P., \$5.25), \$35.00 per 100.

Mixed Japanese Iris. All colors and shades. 4 for \$1.00 (by P. P., \$1.15); \$2.75 per doz. (by P. P., \$3.10); per 100, \$18.00.

NOTE—If Iris are wanted by Parcel Post, add 10c. per root; 15c. per six roots; 25c. per doz. roots, for postage.


Hemerocallis

HEMEROCALLIS (Yellow Day Lily)

Lily-like plants, flowering in great profusion during the summer, making a fine cut bloom.

Dr. Regel. Handsome, rich orange-yellow flowers in May. Very fragrant and fine for cutting.

Flava (Yellow Day Lily). Deep lemon yellow flowers during June and July; very fragrant; 2½ to 3 feet.

Fulva (Tawny Day Lily). Trumpet shaped flowers; coppery orange shaded crimson; June and July.

Kwanso Flore Pleno (Double). Coppery red; July; 3 feet high. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

HYPERICUM (St. John's Wort)

Moserianum. A most desirable border plant, of free and graceful habit, producing long, slender, much-branched stems, leafy to the base and all drooping towards the ends, apparently from the weight of the flowers and buds, although the flowers face, so none of their beauty is lost. Free-flowering, of large size, measuring from 2 to 2½ inches in diameter; color rich golden yellow, which is rendered still more effective by the numerous yellow stamens and crimson anthers; blooms continuously. 2 feet. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

IBERIS (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed.

Sempervirens. Pure white flowers; 1 foot. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

LATHYRUS (Everlasting or Perennial Sweet Peas)

The perennial pea is one of the hardiest and most easily cultivated species, thriving almost anywhere. It is a good trellis plant and is adapted as a cover to wild, rough places.

Latifolius. Large deep red flowers on long stems in constant succession. 6 feet.

— **Pink Beauty.** Clusters of large beautiful shell-pink flowers.

— **White Pearl.** Most beautiful of all everlasting peas with pure white flowers, which are about double the size of the ordinary *Lathyrus Latifolius albus*.

3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$22.00.

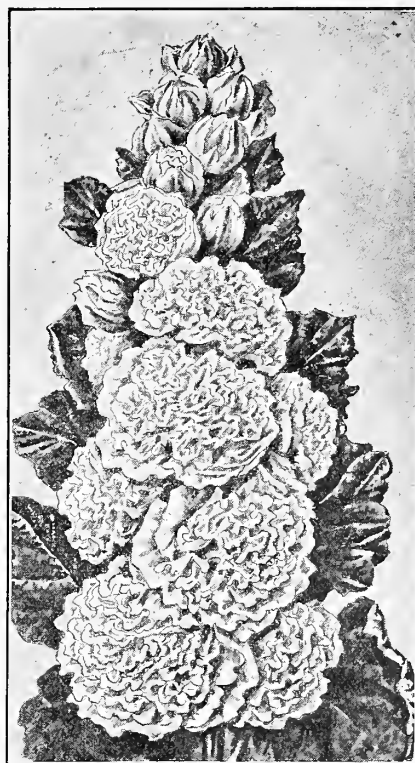
HOLLYHOCKS

(Double)

These thrive best in soil that is not too wet, which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter with leaves, long manure or straw. To guard against fungus or rust we recommend spraying the plants in early spring with Pyrox or Bordeaux Mixture.

Our strain of these is very fine, and we offer the following colors in double flowering only (each separate):

Yellow, Crimson, Pink, White. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.


Mitchell's Double Hollyhock

LAVENDULA (Lavender)

Vera. This is the true Sweet Lavender; grows about 18 inches high; delightfully fragrant blue flowers in July and August. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

LIATRIS (Blazing Star, or Gay Feather)

Pycnostachya. Showy and attractive native plants, succeeding anywhere, producing spikes of light rosy-purple flowers in July and August; 5 feet. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

LINUM (Flax)

Perenne. A desirable plant for the hardy border or rockery; light graceful foliage and large blue flowers all summer. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

LOBELIA

Handsome border plants thriving in any good garden soil but preferring a moist loam where they will not suffer from drought.

Cardinalis (Cardinal Flower). Rich fiery cardinal flowers. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

LYCHNIS (Campion)

All of the *Lychnis* are of the easiest culture, thriving in any soil and this, in addition to their brightness, has brought them into high favor with lovers of hardy plants.

Chalcedonica. A most desirable plant; heads of brilliant orange-scarlet flowers in June and July; grows 2 to 3 feet high.

Viscaria. Forms a dense tuft of evergreen foliage, and in June sends up spikes of handsome, double deep red flowers; 1 foot.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

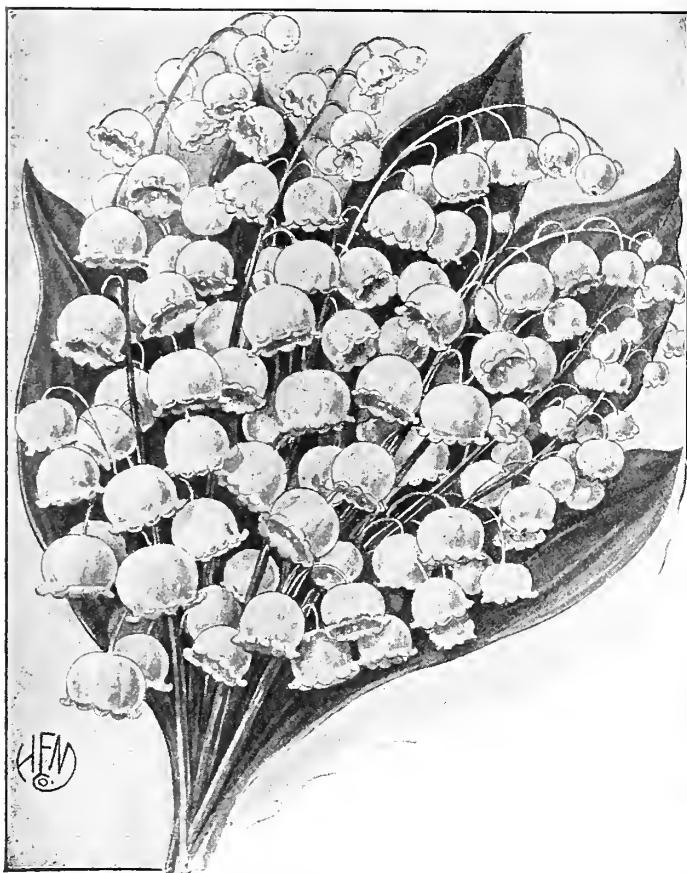
LYSIMACHIA

Clethroides (Loose-strife). A fine hardy variety about 2 feet high; dense, recurved spikes of white flowers from July to September.

Nummularia (Creeping Jenny, or Money-wort). Valuable for planting under trees or shrubs where grass will not grow, where it quickly forms a dense carpet.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

MICHELL'S HARDY PERENNIAL PLANTS



Lily of the Valley

LILY OF THE VALLEY

For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long, the latter part of May. Bundles, 75c. each by P. P., 85c.; doz., \$7.00 (by P. P., \$7.50); \$50.00 per 100. Stock cannot be shipped after May 15th.

LYTHRUM

Roseum Superbum (*Rose Loose-strife*). A strong growing plant, thriving in almost any position, large spikes of rose colored flowers from July to September. Grows 3 to 4 feet high. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

MATRICARIA (Feverfew)

Little Gem. Pure white, double flowers, splendid for cutting, flowering July and August; height, 12 inches. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

MERTENSIA (Blue Bells)

Virginica. An early spring flowering plant growing 1 to 1½ feet high with drooping panicles of handsome light blue flowers fading to clear pink; May and June. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

MONARDA (Bergamot)

Didyma Cambridge Scarlet (*Oswego Tea*). Crimson scarlet. — **Rosea** (*Bee Balm*). Flowers of a rose color, and sweetly fragrant foliage; 18 inches; July to September. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

MYOSOTIS (Forget-Me-Not)

These are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer. **Palustris Semperflorens** (*Perpetual Flowering Forget-me-not*).

Blue with yellow throat; damp places; spread rapidly. 9 inches. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

OENOTHERA (Evening Primrose)

The evening Primroses are elegant subjects for growing in an exposed sunny position, blooming the greater part of the summer. **Missouriensis.** Large golden-yellow. 1 foot. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Lupinus Polyphyllus

LUPINUS (Lupins)

These flower in May and June; are 3 to 4 feet high.

Polyphyllus. Blue. Very showy.

Polyphyllus White.

Polyphyllus Pink.

Price, 3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$25.00.

PACHYSANDRA

An evergreen trailing plant, with thick, glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations.

Terminalis. Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

PENTSTEMON (Beard Tongue)

Most useful showy perennials, either for the border or rockery. They are perfectly hardy.

Barbatus Torreyi. Spikes of brilliant scarlet flowers; height, 3 to 4 ft.; June to August.

Digitalis. Large spikes of long purple-white flowers with purple throats, during June and July. 2 to 3 feet.

Gloxinoides, Sensation. A beautiful strain bearing spikes of large Gloxinia like flowers in a great variety of bright colors, including rose, cherry, crimson, purple, lilac, etc. The plants grow 2 ft. high and bloom from early Summer till frost.

Price, 3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$20.00.

PHYSALIS (Chinese Lantern Plant)

Francheti. An ornamental variety of the Winter Cherry, forming dense bushes, about 2 feet high, producing freely its bright orange scarlet lantern-like fruits; highly interesting. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

PHYSOSTEGIA (False Dragon-Head)

One of the most beautiful of our midsummer flowering perennials, forming dense bushes 4 to 6 feet high, bearing spikes of delicate tubular flowers, not unlike a gigantic heather.

Virginica. Bright but soft pink.

— **Alba.** Pure white; very fine.

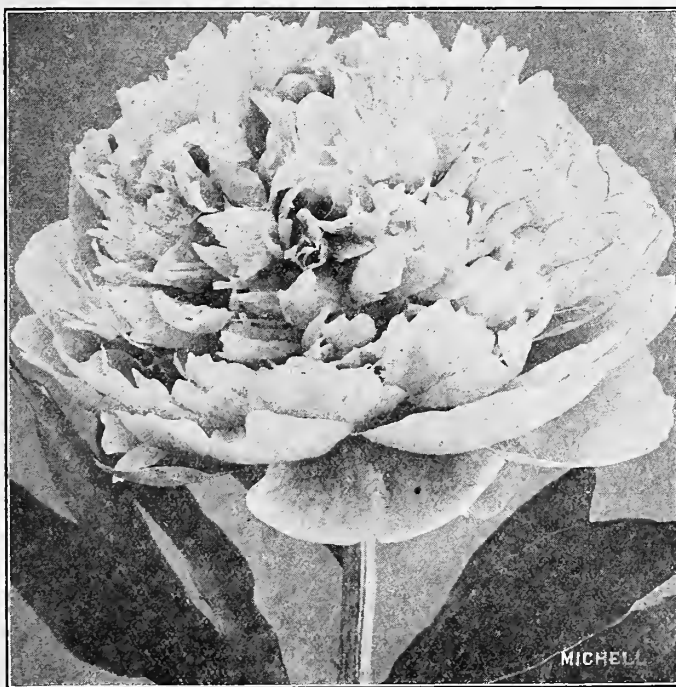
3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

Next to Roses these are the most popular June flowers, and justly so, for they lend themselves to almost any style of planting, while for the little care required they give a variety of color and wealth of bloom unequalled by any other plant. Their requirements are few; they will succeed in any good garden soil in an open sunny position. Care should be taken, however, to keep all fresh manure away from the roots—if barnyard manure is used it must be thoroughly decomposed—if you are unable to procure this, Bone Meal makes a good fertilizer. Peonies may be planted any time after September 1st until the ground freezes in the Autumn, and in the early Spring until the season is too far advanced; the best time, however, is during September and October, as they make roots during the moist cool weather of the Autumn and consequently carry through the Winter in better shape. The roots should be set so that the top or upper eyes are about two or not more than three inches below the level of the soil; do not set the roots flat, but stand them up. For the best results Peonies should be planted from three to four feet apart each way, according to the space at your disposal; the ground around them should be well cultivated at all times and in the Spring after growth starts they should have an abundance of water if the season is at all dry. When cutting the flowers always leave one or two bottom leaves; it is best to leave a few flowers on the plant also, as it is of vital importance that sufficient foliage be left to develop the eyes under the ground for next season's growth. Newly planted roots may not develop a characteristic flower the first season, in fact it is usually not until the third year that perfect flowers true to description will be produced. Peonies are seldom troubled with any disease or insect pests; ants sometimes appear on the buds coming to gather a sweet gum which the bud exudes while developing; they will do no harm and will disappear when the flower opens.

Adolph Rousseau (*Dessert & Mechin*, 1890). Early midseason. Very tall strong grower with erect, stiff stems and large perfectly formed flowers; dark velvety red with garnet hues and a distinct metallic reflex. Very fine for the garden and especially desirable for landscape effects. Semi-double type, \$1.50 each.

Albert Crousse (*Crousse*, 1892). Bomb type. Large, well-formed flowers of soft shell pink with faint salmon tints. Vigorous grower with tall erect stems. Late, \$1.00 each.

Baroness Schroeder (*Kelway*). Rose type. Flesh white fading to milk white. Immense globular flowers of perfect form; of great lasting substance; ideal for cutting. Tall strong growth with rather light green foliage. Very free blooming, with exquisite rose fragrance that is most appealing. Does fine in southern localities. Late midseason, \$1.25 each.



Peony, Claire Dubois

Claire Dubois (*Crousse*, 1886). Rose-type; late midseason. Rich, clear satiny pink with glossy reflex. Some describe this as a glorified Mons. Jules Elie, \$1.00 each.

Couronne d'Or (*Calot*, 1873). Semi-rose type; late. Immense, very full imbricated flat flowers. Solid and compactly built; pure white with a ring of yellow stamens around a tuft of center petals tipped carmine. The whole flower glows with a delightful golden light, gaining the title of "Crown of Gold." Medium tall, robust grower and very free bloomer; 75c. each.

Edulis Superba (*Lemon*, 1824). Crown type; very early. Beautiful bright, clear mauve-pink with silvery reflex. Decoration day Peony; 75c. each.

Felix Crousse (*Crousse*, 1881). Rose-type; late midseason. Rich, dazzling ruby-red without a tinge of purple, none better; \$1.00 each.

Festiva Maxima (*Miellez*, 1851). Rose type; early. The finest white in existence. Pure white with clear carmine spot on edge of center petal; 50c. each.

Grandiflora—**Syn Henry Woodward** (*Richardson*, 1883). Rose type. Very large flat bloom of bright sea-shell pink overlaid with salmon pink. Unusually fragrant; blooms in clusters. Strong tall erect grower. Its beauty, time of blooming and great reliability should commend it to everyone; \$1.50 each.

Georgiana Shaylor (*Shaylor*, 1912). Rose type. Large globular compact flower with wide graceful petals; flesh pink, changing to a very delicate whitish flesh color in the center. Tall compact erect strong grower and very free blooming. Late midseason; \$7.50 each.

Germaine Bigot (*Dessert*, 1902). Crown type. Very large compact flower, composed of broad petals. Color lilac rose, medium tall stems; very free. Midseason, \$1.00 each.

Grover Cleveland (*Terry*, 1904). Rose type. Very large and full dark crimson flowers. Strong vigorous grower with upright stems. Blooms in clusters; especially desirable on account of being practically the only late dark crimson; \$1.50 each.

Jubilee (*Pleas*, 1910). Rose type. Extremely large flat flower, having long narrow petals arranged loosely, giving a feathery effect. Buds show delicate opal tints; as they unfold the color changes to ivory white. Unlike other Peony buds, which are round, these are pointed like a rose. Fragrant; strong grower and free bloomer; long stems. A very distinctive variety and a great favorite. Midseason; \$3.00 each.

Karl Rosenfield (*Rosenfield*, 1908). Semi-rose type; midseason. Very large globular compact flower. Rich dark crimson in color. Very strong, tall compact grower and free bloomer. A brilliant and striking variety, attracting universal attention; \$2.00 each.

Lady Alexandra Duff (*Kelway*, 1902). An immense cup-shaped flower of rose type with wide imbricated petals. The color of the outer petals is delicate blush pink rapidly fading to lovely French white; central flower of rather flattened circular form; central petals have a touch of carmine. Lateral buds come in semi-double, waterlily-like flowers, exposing the anthers. Showy, fragrant, and very prolific. Robust, strong grower, thriving in all sections; \$4.00 each.

La Tendresse (*Crousse*, 1896). Rose type. Very full large flowers borne in clusters. Color, milk-white, sometimes splashed with carmine. Tall, strong grower, free bloomer and fragrant. Midseason; 75c. each.

NOTE—If Peonies are wanted by Parcel Post, add 10c. per root for postage.

MICHELL'S GIANT FLOWERING PEONIES

Lord Kitchener (*Renault*, 1916). Rose type; very early. Color a brilliant cherry-red, a most dazzling hue. Free bloomer, strong grower; \$2.00 each.

Mignon (*Lemoine*, 1908). Rose type; globular flowers of soft light rose passing to amber cream. Broad imbricated petals form perfectly double blooms, which are delightfully fragrant and standing well above the luxuriant light green foliage. Rather dwarf. Midseason; \$6.00 each.

Milton Hill (*Richardson*, 1891). Rose type; late. Flowers large, cupped, clear soft flesh color, turning nearly white in full sunlight before fading; one of the finest varieties in existence; \$5.00 each.

Mme. Emile Lemoine (*Lemoine*, 1899). Semi-rose type. Large, globular, compact flower. Color on first opening glossy-white overlaid with minute lilac dots. Tall, strong grower and free bloomer. Very beautiful and one of the finest white varieties. Midseason, \$1.00 each.

Mme. Jules Dessert (*Dessert*, 1909). Rose type. Exquisite flowers of large size; broad delicate petals of translucent texture. Color creamy-white, overlaid with a sheen of delicate blush, with a pronounced pink center, intermixed with golden stamens. Strong vigorous stems of perfect habit. A charming variety and should be in every collection. Midseason, \$5.00 each.

Mlle. Jeanne Riviere (*Riviere*, 1908). Guard petals deep flesh, gradually changing lighter. Center petals narrower and of a deep cream shade. Tall, strong stems making this an especially valuable variety for garden or mass effects. An abundant bloomer. Midseason; \$2.50 each.

Marquis C. Lagergren (*Dessert*, 1911). Semi-rose type; midseason. Large, bright velvety crimson with a distinct silvery border. One of the finest reds ever produced; especially good for mass planting; \$2.00 each.

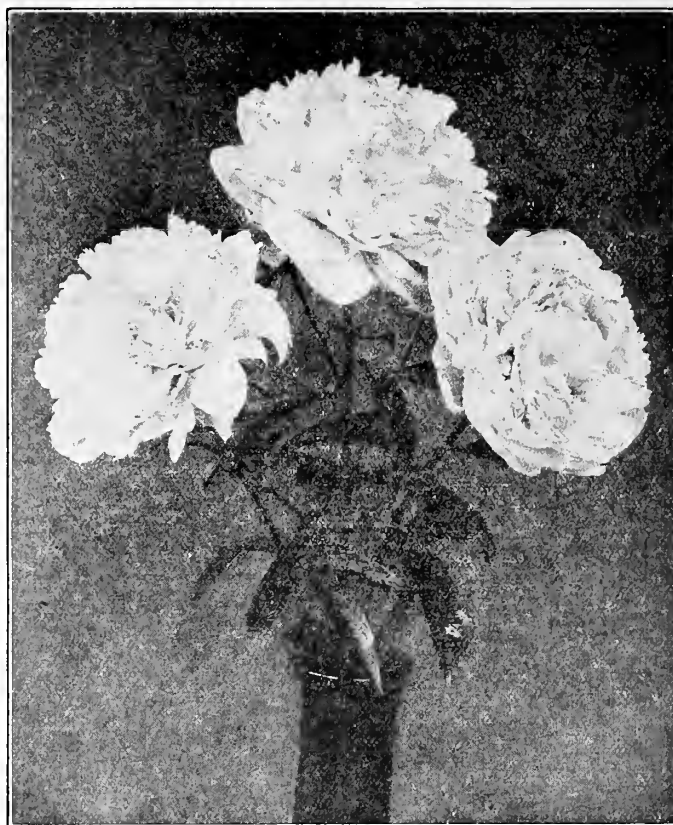
Mons. Jules Elie (*Crousse*, 1888). Bomb type. Very large flower of ideal glossy shell-pink, shading to a deeper rose at the base, the entire flower overlaid with a sheen of silver; fragrant. Such a strong vigorous grower that it will produce enormous flowers on one year plants. Medium height, but very prolific bloomer. Early midseason. One of the most popular and meritorious varieties ever produced; excellent for both landscape work and cut flowers; \$1.50 each.

Mons. Martin Cahuzac (*Dessert*, 1899). Semi-rose type; midseason. A perfect solid ball of deep maroon with garnet hues and brilliant black luster. Claimed by some to be the darkest Peony in existence. Strong vigorous grower and free bloomer. A very distinct and handsome variety and one that will appeal to everyone desiring a dark colored Peony; \$3.00 each.

Primevere (*Lemoine*, 1907). Bomb type. Large full blooms in clusters, with outer petals sulphur-white, center petals deep sulphur yellow. Tall, strong grower and free bloomer. Very fragrant and the yellowest Peony in existence; \$3.50 each.

Reine Hortense—Syn. Pres. Taft (*Calot*, 1857). Midseason. Enormous, compact flat flowers of soft flesh color deepening to shell pink, center showing crimson splashes, sometimes faint stripes on the face of the petals. Well formed and very striking. Deliciously fragrant. A vigorous grower and profuse bloomer. Rose type. Fine for cut flowers and usually in bloom just about Decoration Day; \$2.00 each.

Sarah Bernhardt (*Lemoine*, 1906). Semi-rose type; late midseason. Very large flower of perfect form, full and double, with twisted, imbricated petals. Color apple-blossom pink with each petal silver tipped. Strong grower, free bloomer and very fragrant. One of the finest and most dependable Peonies ever produced, attracting attention in every garden; \$2.00 each.



Peony, Sarah Bernhardt

Solange (*Lemoine*, 1907). Rose type. A large, full compact flower of indescribable beauty. Color rare, deep orange salmon at the heart overlaid with a delicate tender reddish-brown, a most unique color combination. The plant is a strong, robust grower and very abundant bloomer. Midseason. Considered as one of the most unusual and charming Peonies ever produced; \$5.00 each.

Suzette (*Dessert*, 1911). Semi-rose type; midseason. Bengal-rose lightly shaded carmine purple with silvery reflex. Strong stems. Rare; \$1.00 each.

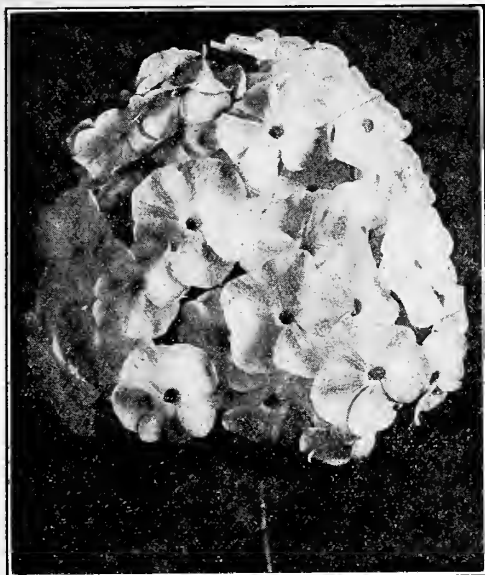
Venus (*Kelway*, 1888). Pale hydrangea-pink, collar lighter. Fragrance fine. Exquisite pointed buds opening into large compact flowers; very fragrant. Valuable both as a cut flower and for garden planting. Tall, free bloomer. Midseason, \$1.50 each.

PEONIES IN COLORS

We can supply good strong roots in separate colors, or all colors mixed at prices quoted below. These should not be compared to the cheap mixtures sometimes offered at a low price, as they are for the most part choice varieties from which the labels have been lost, or have been mixed in planting. Some very choice Peonies will be found in these mixtures.

	Each	Doz.	100
Double Pink.....	\$0.50	\$5.00	\$35.00
Double Red.....	.50	5.00	35.00
Double White.....	.50	5.00	35.00
Double Mixed. All colors.....	.40	4.00	30.00

Note—If Peonies are wanted by Parcel Post, add 10c. per root for postage.



Hardy Phlox, Mrs. Jenkins

MICHELL'S SUPERB HARDY PHLOXES

Baron von Dedem. Deep pink, suffused orange; immense trusses.

B. Comte. Brilliant rich French purple.

Deutschland (New). The brightest red Phlox ever introduced; a brilliant red with crimson eye. 2 for \$1.00 (by P. P., \$1.15); \$5.00 per doz. (by P. P., \$5.25).

Eclairer. Brilliant rose-magenta, with lighter halo.

Elizabeth Campbell. Bright salmon-pink, with lighter shadings and dark red eye. 2 for \$1.00 (by P. P., \$1.15); \$5.00 per doz. (by P. P., \$5.25).

Eugene Danzanvilliers. Delicate lavender; a very attractive and decorative color; immense flowers. The peer of its color.

Europa. Blush white, with a large deep pink center; the flower truss is very large, while the florets are also of gigantic size.

Jules Sandeau. Dwarf; very large flowering; pure pink; extra fine variety.

Montagnard. Dark purple claret; large spikes and flowers.

Mrs. Jenkins. The best pure white.

Mrs. Milly Van Hoboken (New). Enormous trusses of bright pink flowers; very showy and outstanding. 2 for \$1.00 (by P. P., \$1.15); \$5.00 per doz. (by P. P., \$5.25).

Rheinlander. Deep salmon pink, with a distinct bright red eye.

Rheinstrom. A splendid new phlox with gigantic flowers of a bright pink. Quite tall; continues in bloom till frost.

Thor. Deep salmon pink, suffused with scarlet; a white halo surrounds the aniline red eye.

Price of all varieties Hardy Phloxes, except where noted, extra strong roots which will flower the first season, 3 for \$1.00 (by P. P., \$1.15); \$3.00 per doz. (by P. P., \$3.30); per 100, \$16.00.

PHLOX SUFFRUTICOSA

Miss Lingard. Pure white, with a lilac eye; very early. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

PHLOX SUBULATA

Alba (Moss Pink). Moss evergreen-like foliage, tucking close to the ground and covered completely with white star-like flowers in May.

Lilacina. A beautiful shade of lilac.

Rosea. The same as above but with pure pink flowers.

Vivid. A new introduction with bright rose colored flowers. 2 for \$1.00 (by P. P., \$1.15); \$5.00 per doz. (by P. P., \$5.25).

Price (except where noted), 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

MISCELLANEOUS VARIETIES OF PHLOX

Amoena. A beautiful plant, with soft rose-colored flowers; one of the best for rockeries or borders; 4 inches high; April-May.

Divaricata Canadensis. A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May.

Price, 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz. (by P. P., \$3.30); per 100, \$18.00.

NEW PERPETUAL FLOWERING

HARDY PINKS (*Dianthus Allwoodi*)

This is a most important addition to worth while perennials. They are perfectly hardy and flower continuously from early Spring until late in the Autumn. The flowers are much larger than the old type of Hardy Pinks and are borne on long stems suitable for cutting; deliciously clove scented.

Jean. Pure white with purple center.

Mary. Pale rose-pink with light maroon center.

Robert. Delicate shade of old rose with light maroon center.

3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$22.00.

PINKS, HARDY GARDEN (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are splendid cut blooms.

Elsie. Bright rose with maroon center.

Essex Witch. Delicate pink, finely fringed.

Homer. Rosy-red with dark center.

White Reserve. An everblooming variety, double pure white.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; \$18.00 per 100.



Oriental Poppy

ORIENTAL POPPIES (*Papaver Orientale*)

These are the royal representatives of this popular genus, growing about 3 feet high and far surpassing in magnificence of bloom all the other types. For a display of brilliant coloring nothing equals them during their time of flowering, May and June, whether planted singly or in masses. They are easy of culture, almost any kind of soil suits them, but they do best in a rich deep loam. Plant them in the fall or early spring before May 1st; give them water during dry spells the first season, and mulch with leaves or stable litter in the fall; treated in this way, they will increase in size and consequently freedom of bloom for years to come. After they have finished flowering the plants die back, but appear again in September, or as soon as the weather gets cool; during this resting period care should be taken when cultivating the beds that the roots are not disturbed.

Goliath. One of the most effective; flowers of a rich scarlet.

Orientalis. Very large, orange-scarlet flowers.

Mrs. Perry. A soft shade of salmon rose; a beautiful large flower. This variety should be in every garden.

3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$25.00.

ICELAND POPPIES (*Papaver Nudicaule*)

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. Blooms the entire summer.

Orange, Yellow, White; each color separate. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

MICHELL'S HARDY PERENNIAL PLANTS

PLATYCODON

(Balloon Flower or Japanese Bell Flower)

The Platycodons are closely allied to the Campanulas, and form neat, branched bushes of upright habit.

Mrs. Ely says of them: "Do best if planted in early spring. They grow from 2 to 2½ feet high, and after the third season each plant will have from ten to twelve stalks covered with the lovely blue or white blossoms for nearly a month, beginning about July 10th. They are also free from attacks of insects, and if planted in good soil and well covered in late autumn with a litter of leaves or stable manure, will be found to be quite hardy."

Grandiflorum. Deep blue cupped, star-shaped flowers.

— **Album.** A white-flowered form of the above.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

PLUMBAGO (Lead-Wort)

Larpentae. One of the most desirable border and rock plants; it is of dwarf, spreading habit, growing 6 to 8 inches high, covered with deep blue flowers during the summer and fall months. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

PRIMULA (Hardy Primrose)

One of the first of the early spring flowers. They delight in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting, it can be highly recommended.

Veris (English Cowslip). A mixture comprising the various shades of red and yellow; a splendid plant for the spring blooming garden.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Pyrethrum Hybridum

PYRETHRUM HYBRIDUM

A good old-fashioned perennial resembling colored daisies, blooming in June. They will succeed in any good garden soil in a sunny position and do best when left undisturbed for 2 or 3 years, but they should be given an annual top dressing of well rotted manure.

Single Flowering. Mixed colors only, ranging from pure white to dark red. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

PYRETHRUM (Giant Daisy)

Uliginosum. Grows 3 to 4 feet high and is covered with large white Daisy-like flowers, 3 inches in diameter, from July to September. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

RANUNCULUS (Crowfoot Buttercup)

Acris Fl. Pl. A double flowered form of our common buttercup; 2 feet; May and June.

Repens Fl. Pl. (Bachelor's Buttons). A pretty double flowering, bright golden buttercup, bearing masses of flowers during May and June.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Rudbeckia Purpurea

RUDBECKIA (Cone-Flower)

Indispensable plants for the hardy border; grow and thrive anywhere, giving a wealth of bloom, which are well suited for cutting.

Golden Glow. A well-known popular plant; a strong, robust grower, attaining a height of 5 to 6 feet, and produces masses of double golden-yellow, Cactus Dahlia-like flowers from July to September.

Newmani. Dark orange-yellow flowers, with deep purple cone; good stiff stems; 3 feet high; July to September.

Purpurea (Giant Purple Cone-flower). Flowers about 4 inches across, of a peculiar reddish-purple with a remarkably large cone-shaped center of brown; forms bushy plants 3 feet high and blooms from July to October.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

SALVIA (Meadow-Sage)

Perennials with strikingly beautiful, orchid-like bloom, that make them welcome in the herbaceous border. Leaves are used in medicine and for the kitchen.

Azurea Grandiflora (Rocky Mountain Sage). Sky-blue flowers in greatest profusion during August and September; 6 feet.

Pitcheri. Similar to Azurea but of more branching habit and larger flowers of rich Gentian blue; 3 to 4 feet.

Virgata Nemorosa. An interesting plant for the hardy border; flower spikes bear many-flowered whorls of dark blue blossoms; the unexpanded buds are light violet blue, forming a pleasing color combination. It continues in flower for about six weeks during the early summer months; 18 inches.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

SAXIFRAGA (Megasea)

Very useful plants, growing about 12 inches high, having broad, deep green foliage and thriving in any soil in almost any position. The pretty rose-pink flowers which appear very early in the spring, almost as soon as the frost is out of the ground, make this a valuable addition to the hardy garden. Makes an excellent plant for the front of the hardy border, or in the front of shrubbery.

Cordifolia. Rosy-pink flowers.

Crassifolia. Light pink flowers.

Hamalaicus. Bright rosy-pink flowers.

2 for \$1.00 (by P. P., \$1.20); \$5.00 per doz.

SCABIOSA

The hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water; the average height is about 2½ feet. Very free flowering.

Caucasica (*Blue Bonnet*). A delicate shade of lavender blue, starting in flower in June and lasting well through the summer.

Caucasica Alba. White. Like the above, except the color.
2 for \$1.00 (by P. P., \$1.20); \$5.00 per doz.; per 100, \$30.00.



Sedum Spectabile, Brilliant

SEDUM (Stonecrop) DWARF VARIETIES

Suitable for the rockery and covering of graves, etc.

Acre (*Golden Moss*). Much used for covering graves; has green foliage and bright yellow flowers.

Album. Dark green foliage with pure white flowers in June.

Sieboldi. Round succulent glaucous foliage with bright pink flowers during August and September.

ERECT GROWING VARIETIES

Useful and pretty plants for the border, producing their interesting flowers during the late Summer and Fall.

Maximum Atropurpureum. Handsome purple foliage with salmon-pink flowers during August and September; 12 to 18 inches.

Spectabile. A pretty erect growing variety with broad, light green foliage and immense heads of showy rose colored flowers during the Autumn; 18 inches.

—“**Brilliant**.” A rich colored form of the above, being a bright amaranth red.

Prices of any of the above Sedums. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

SENECIO (Groundsel)

Pulcher. Forms a neat tuft of foliage from which springs up from July to October, a succession of 2 feet high stems, with clusters of brilliant, rosy purple flowers, of good size. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

SOLIDAGO (Golden Rod)

The Golden Rod in a cultivated form is one of the best hardy garden plants. We have discarded all other varieties except that listed below, as from observation we believe this will fill every want for this plant.

Golden Wings. The finest of the Golden Rods; very showy; 5 feet high, with immense panicles of bright golden yellow flowers from July to September. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

Note—Please read carefully instructions on page 107 before ordering plants.

SPIRAEA (Goat's Beard, Meadow Sweet)

Elegant border plants with feathery plumes of flowers and neat, attractive foliage; succeed best in a half-shaded location in rich, moist soil.

Filipendula (*Dropwort*). Numerous corymbs of white flowers on stems 15 inches high, during June and July; pretty fern-like foliage.

Palmata (*Crimson Meadow Sweet*). One of the most beautiful hardy plants; the deep purple red of the stems and branches passing into the crimson purple of the broad corymbs of flowers, which are produced very freely during June and July. 3 feet.

Ulmaria Fl. Pl. (*Meadow Sweet*). Double white flowers during July and August; 3 feet.

2 for \$1.00 (by P. P., \$1.20); \$5.00 per doz.; per 100, \$27.50.

STATICE (Sea Lavender)

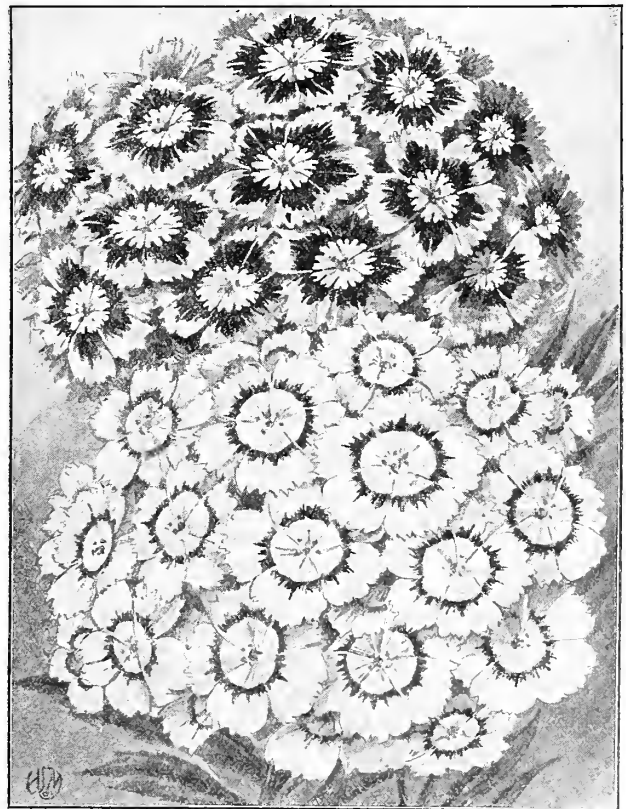
Very ornamental genus of easy culture, but prefer a rather deep, loose soil. From the delicate nature of the flower panicles, the species are better suited to rockwork and isolated positions, than for mixing in a crowded border. Useful for cut blooms, especially for mixing with other flowers. July-August.

Latifolia (*Great Sea Lavender*). Handsome plants with heads of dark blue flowers; invaluable for cutting, the flowers when dried, lasting for months. 1 to 2 feet. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

STOKESIA (Cornflower Aster)

The flower has the appearance of combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Succeeds in most any location.

Cyanea. Very light blue. | **Cyanea Alba**. Pure white.
3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Single Sweet William

SWEET WILLIAM (*Dianthus Barbatus*)

This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect, for just when they are in flower it is generally too soon for other perennials. For wild garden effect, Sweet Williams occupy first place.

Michell's Prize Mixture. In all colors.

Pink Beauty (*Sometimes called Newport Pink*). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

THALICTRUM (Meadow Rue)

Very graceful, pretty flowered plants, with finely cut foliage; great favorites for planting in the hardy border; the dwarfier varieties also being effective and useful in the rockery.

Adiantifolium. A beautiful variety, with foliage like the Maiden Hair Fern and miniature white flowers in June and July; 1½ to 2 feet.

Aquilegifolium. Graceful foliage like that of a Columbine and rosy-purple flowers from May to July; 2 to 3 feet.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Trillium

TRILLIUM (Wood Lily, or Wake Robin)

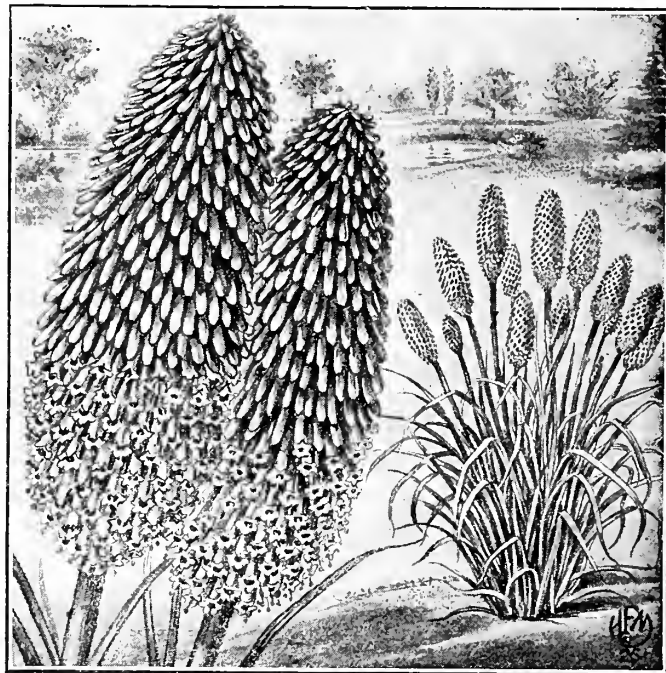
Excellent plants for shady positions in the hardy border, or in a sub-aquatic position, flowering in early spring; 12 to 18 inches. **Grandiflorum.** The largest white; probably the handsomest.

4 for \$1.00 (by P. P., \$1.20); \$2.50 per doz.; per 100, \$15.00.

VALERIANA (Valerian)

Officinalis (Hardy Garden Heliotrope). Produces during June and July showy heads of rose-tinted white flowers, with heliotrope odor, 3 to 4 feet. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

See
pages
112 to
114A
for list
of
Hardy
Roses.



Tritoma, Pfitzerii

TRITOMA

(Red-hot Poker, Flame Flower or Torch Lily)

Pfitzerii (The Everblooming Flame Flower). The early, free and continuous blooming qualities of this variety have made it one of the great bedding plants, and when we consider that there are few flowering plants which are suitable for massing under our severe climatic conditions, it is little wonder that such an elegant subject should become so popular. Succeeds in any ordinary garden soil, but responds quickly to liberal treatment; hardy if given protection, but the most satisfactory method of wintering is to bury the roots in sand in a cool cellar. In bloom from August to October, with spikes 3 to 4 feet high, and heads of bloom of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

VERONICA (Speedwell)

A large and much cultivated group of blue-flowered perennials, great favorites in the hardy garden. The taller forms are very pretty border plants, while the more dwarf spreading forms are well adapted to the rockery. Unexcelled for cutting purposes.

Amethystina. Amethyst-blue flowers on short spikes; one of the best; 2 feet; May to June.

Incana. Bright silvery foliage with spikes of Amethyst-blue flowers during July and August; 12 inches.

Longifolia Subsessilis (Japanese Speedwell). This is destined to create as much furore in the flower world as did the Golden Glow. It is the handsomest blue-flowered plant we know of, growing to a height of two feet and completely studded with its spikes of blue flowers. Its flowers are fine for cutting. It is perfectly hardy and increases in strength and in beauty each succeeding year. It makes the best blue-flowered hardy border plant obtainable; 2 feet; August to October.

Spicata. Long spikes of bright blue flowers during June and July; 18 inches. An excellent border plant.

3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.



Veronica Longifolia Subsessilis

VINCA

(Periwinkle or Trailing Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade; right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots it is desired to cover where no grass will grow. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage is green all winter.

Minor. Green foliage, lavender flowers. Extra strong plants, 4 for \$1.00 (by P. P., \$1.20); \$2.50 per doz.; per 100, \$15.00.



Single Wallflowers

WALLFLOWERS

The old fragrant favorite; mixed colors, including yellow, brown, etc. 3 for \$1.00 (by P. P., \$1.20); \$3.00 per doz.; per 100, \$18.00.

YUCCA (Adam's Needle)

This plant sets off to best advantage if used as individual specimens, either on the lawn or in the shrubby border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream-white bell-shaped drooping flowers during July and August. A majestic plant, especially fine for producing tropical effects.

Filamentosa. White, with reflexed flower bells. Extra strong plants. 3 for \$1.00 (by P. P., \$1.20); \$3.50 per doz.; per 100, \$22.00.

MICHELL'S COLLECTIONS OF HARDY PERENNIALS

We offer customers who are not acquainted with the different sorts the following collections, at greatly reduced prices, all good, strong plants, which once established will, with little care, keep the garden gay with flowers from the time frost leaves the ground until late in the autumn.

These collections are according to our own selections at prices named.

For Sunny, Shaded or Partially Shady Perennial Border. Collection

- No.
- 1 12 Hardy Perennials in a good assortment for \$2.75.
- 2 25 Hardy Perennials in a good assortment for \$5.25.
- 3 50 Hardy Perennials in a good assortment for \$8.50.
- 4 100 Hardy Perennials in a good assortment for \$16.00.

When ordering give number and collection wanted and state if for sunny or partially shaded position.



Viola Cornuta

VIOLAS, OR TUFTED PANSIES

(Viola Cornuta)

The improved forms of Viola Cornuta are one of the important bedding plants of Europe, and are rapidly growing in favor here. They flower continuously for nearly eight months in the year, and while their flowers are not so large as those of the Pansy, their bright colors and free-flowering qualities make them welcome additions to any garden.

Blue Perfection. Deep purplish-blue.

Lutea Splendens. Rich golden yellow.

White Perfection. A fine white.

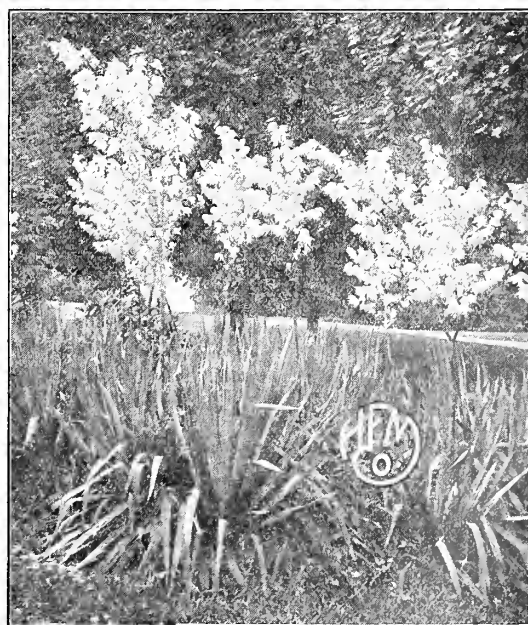
4 for \$1.00 (by P. P., \$1.20); \$2.50 per doz.; \$15.00 per 100.

Testimonial

Chambersburg, Pa.

Please let me thank you for the beautiful plants and their splendid condition which I received from you a short time ago. I never had plants sent me so perfectly packed.

Mrs. N. G. A.



Yucca Filamentosa

Please Notice When Ordering Plants.

It is not necessary to order three plants of a species or variety where 3 for \$1.00 are offered. Customers may select one each of three varieties, etc.

MICHELL'S CLIMBING PLANTS AND VINES

Vines play an important part in the landscape of the home. There are so many purposes they fill that we cannot recommend too highly their general use.

AKEBIA—Quinata. Quick-growing vine; small, fine-lobed, half-evergreen leaves, and purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. Extra strong plants, 75c. each (by parcel post, 90c.); 6 for \$3.25; 12 for \$6.00.

AMPELOPSIS—Quinquefolia (Virginia Creeper). The large handsome, dark green leaves are deeply cut into five lobes. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 75c. each (by parcel post, 90c.); 6 for \$3.25; 12 for \$6.00.

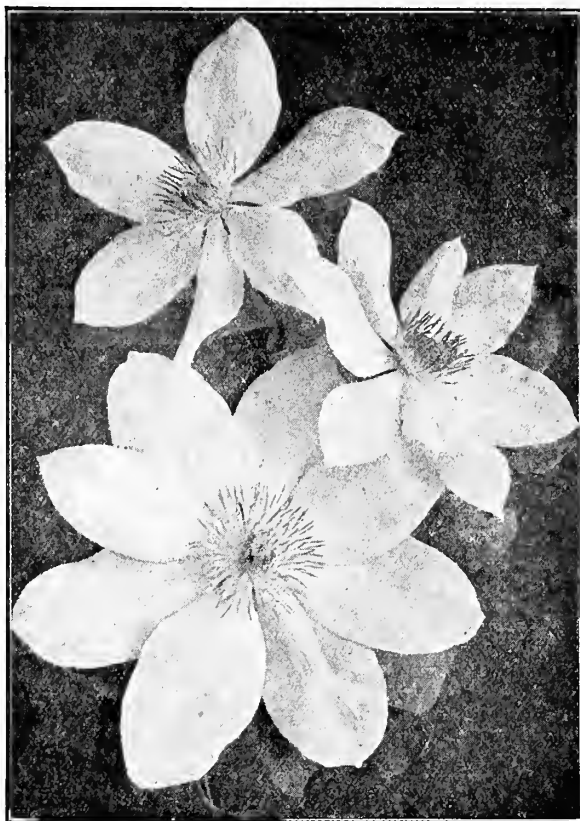
AMPELOPSIS—Veitchii (Boston Ivy). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green which in the autumn turn to a coppery red. Strong plants, 60c. each (by parcel post, 75c.); 3 for \$1.75; 12 for \$6.00.

ARISTOLOCHIA—Sipho (Dutchman's Pipe). Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. Large plants, \$1.25 each (by parcel post, \$1.40).

BIGNONIA—Radicans (Trumpet Vine). A strong-growing vine, with rich green foliage and trumpet-shaped flowers; free-flowering; dark red, throat shaded orange. Strong plants, 75c. each (by parcel post, 90c.).

CELASTRUS SCANDENS (Bittersweet or Waxwort). A vine of rapid growth. In the early summer it produces yellow flowers, which by autumn have turned to bright, orange-colored fruits, with red markings. Extra strong plants, 75c. each (by parcel post, 90c.).

CLEMATIS. This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. All Clematis delight in plenty of sunlight, rich soil and plenty of water in dry weather. Great care should be exercised in planting the large-flowering varieties. During the process of transplanting, the stem is likely to get broken below the eye shoots, which would render the plant useless. To guard against this, place a few stakes around the plant to protect it after planting. In the winter put a covering of straw, long manure, or leaves around the roots.



Clematis Jackmanni

CLEMATIS—Continued

Coccinea. Produces pretty bell shaped coral-red flowers from early in June until late in Fall. \$1.00 each (by parcel post, \$1.20).

Crispa. This variety bears sweet-scented, lavender flowers. \$1.00 each (by parcel post, \$1.20).

***Henryi.** Creamy white; large single flowers, borne in great profusion. Extra strong pot-grown plants, \$1.00 each (by parcel post, \$1.15).

***Jackmanni.** Violet-purple; intensely colored, gigantic flower. Extra strong pot-grown plants, \$1.00 each (by parcel post, \$1.15).

***Mad. Edouard Andre.** Velvety red. Flowers are well formed and of great substance; the blooms are gigantic. Extra strong pot-grown plants, \$1.00 each (by parcel post, \$1.15).

Paniculata (Japanese Virgin's Bow-er.) A strong, luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Strong plants, 40c. each; 6 for \$1.75; per doz., \$3.50; \$18.00 per 100. Extra strong plants, 75c. each; 6 for \$3.00; per doz., \$5.00; \$35.00 per 100.



Clematis Paniculata

Non-Warranty on Clematis

The large flowering types of Clematis those marked * are injured very easily often when being tied up, by animals and otherwise. We ship these plants in perfect order, after which we must respectfully ask our customers to relieve us of any responsibility in the matter of them growing or thriving.

NOTE—Please read carefully instructions on page 107 before ordering plants.

CINNAMON VINE. Free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. These can be mailed. Extra strong roots, 10c. each; per doz., \$1.00; (by P. P., \$1.10); \$7.00 per 100.

COBAEA—Scandens (Annual). A beautiful blue, cup-shaped flowering annual climber; very desirable for lattice covering, etc. Extra strong plants, 4-in. pots, 50c. each (by P. P., 65c.); 6 for \$2.50; per doz., \$4.00.

EVONYMOUS—Radicans. Self-clinging vine, suitable for covering walls, stumps or rockeries, or wherever a vine of slow growing habit is desired; green foliage. Extra strong plants, 50c. each (by P. P., 60c.); doz., \$5.00; \$35.00 per 100.

— **Variegata.** Leaves are variegated; otherwise like the above variety. 50c. each (by P. P., 65c.); doz., \$5.00; \$35.00 per 100.

— **Vegeta.** This plant is regarded far too little in importance as a strictly A-1 variety for climbing stone walls of buildings or otherwise; it ranks favorably with English Ivy, it is evergreen and does not winter kill. The foliage is larger than that of the type *Radicans*, and the plant produces an orange-colored berry, which remains on the plant the most part of the winter. *Evonymus Vegeta* should be planted more extensively than it is. Extra heavy plants. 50c. each (by P. P., 75c.); doz., \$5.00; \$35.00 per 100.

HONEYSUCKLE. This favorite requires very little comment or description, always yielding a wealth of fragrant bloom.

— **Chinese Evergreen.** Yellow and white variegated flowers; very fragrant; blooms the entire season.

— **Halliana (Hall's Honeysuckle).** Flowers pure white, turning to yellow; hardy evergreen; flowers from June until frost.

— **Red Coral or Scarlet Trumpet.** Bright red trumpet-shaped flowers. Blooms all summer.

— **Variegated (Aurea Reticulata).** Foliage beautifully mottled yellow and green; flowers white and yellow.

Price of any of the above Honeysuckles, 5-in. pot-plants, \$1.00 each (by P. P., \$1.15); doz., \$10.00; \$75.00 per 100.

HOP VINE (Japanese). A rapid grower, with dark green foliage, and bearing a profusion of seed-pods, suitable for many domestic purposes. Strong pot plants, 35c. each (by P. P., 45c.); 3 for \$1.00; doz., \$3.00.

IVY (English). This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4-in. pot-plants, 60c. each (by P. P., 75c.); per doz., \$5.00; \$35.00 per 100. 6-in. pot-plants, \$1.50 each; doz., \$15.00.

KUDZU (Pueraria). This vine grows a foot a day and makes a dense covering; exceedingly attractive. Towards the end of summer it produces small, rosy-purple flowers. 35c. each (by P. P., 45c.); doz., \$3.50; \$25.00 per 100.

LATHYRUS (Hardy Pea). This is a splendid plant for training on pillars, columns and similar places; it flowers during the greater part of the summer, and is a really splendid cut flower, lasting well, and very effective.

Latifolius. Rich red. 40c. each (by P. P., 50c.); doz., \$3.50.

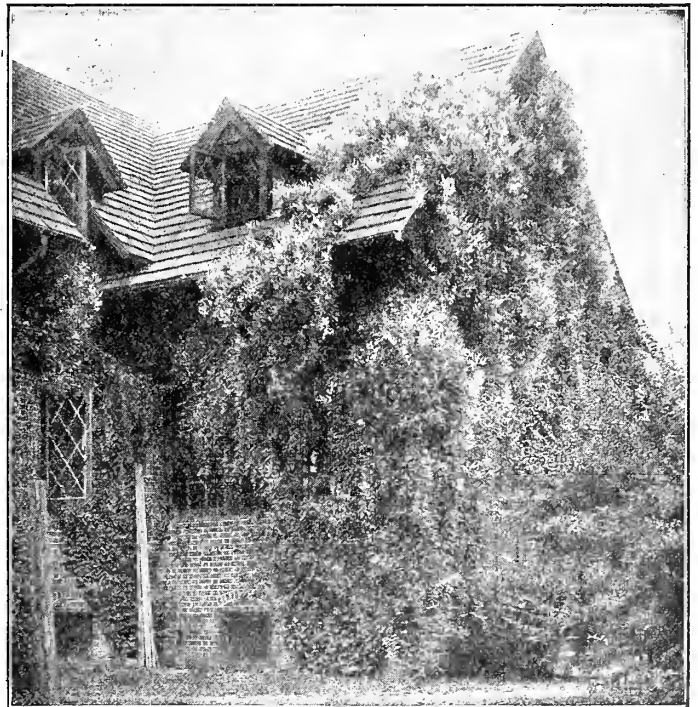
— **Pink Beauty.** Beautiful rose pink, 40c. each (by P. P., 50c.); doz., \$3.50.

— **White Pearl.** Pure white, giant flower trusses. 50c. each (by P. P., 60c.); doz., \$5.00.

LYCIUM (Matrimony Vine)—Barbarum. A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries, which remain until late winter. Extra heavy plants, \$1.00 each (by P. P., \$1.15).

MADEIRA OR MEXICAN VINE. The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small, white in color. Strong roots, 10c. each (single roots, mailed free); per doz., \$1.00 (by P. P., \$1.10); \$7.50 per 100 by express.

MOON VINE—Noctiflora (Annual). A pure white variety, blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. Extra strong plants, 50c. each (by P. P., 65c.); doz., \$4.00.



Polygonum Auberti

POLYGONUM

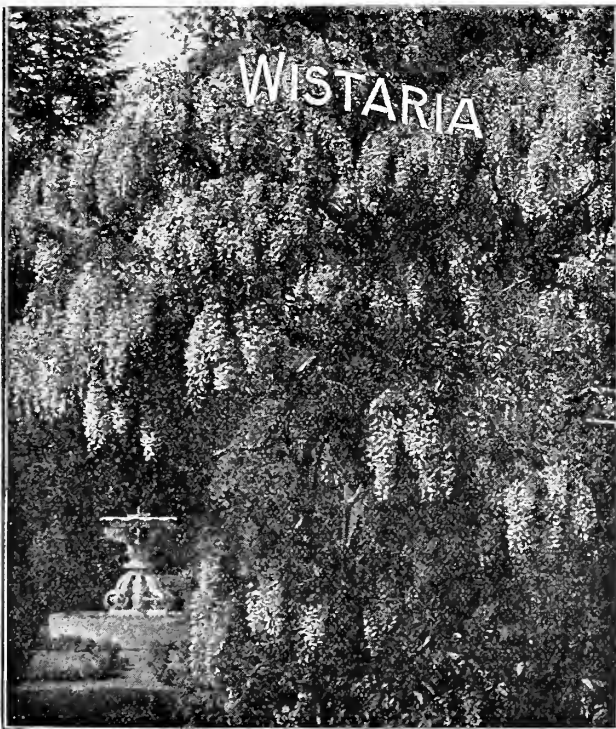
Auberti. For porches, lattice work, fences, pergolas and buildings. A useful vine which is perfectly hardy and free from disease or pests. It is quick growing, a small plant will make twenty-five to thirty feet of growth the first summer; snowy white flowers, borne in long clusters, which turn rose color with age. The foliage is clean looking and apart from its wonderful flower effect will please everyone. It will not cling to the wall, but will ramble over anything that will support it.

Extra strong pot-grown plants, \$1.00 each (by P. P., \$1.25).

WISTARIA. This flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously.

Chinensis (Chinese Wistaria). Pale blue; somewhat fragrant. Extra strong plants, \$1.25 each (by P. P., \$1.40).

Chinensis Alba. A beautiful white flowering form of the above. Extra strong plants, \$1.25 each (by P. P., \$1.40).



MICHELL'S HARDY DECORATIVE FLOWERING SHRUBS

A planting of Shrubs massed around the boundaries of a garden forms a harmonious background against which the bright colored Peonies, Poppies, Iris, Phlox and other Hardy Perennial Plants appear to their best advantage.

Because of their easy culture, rapid growth, adaptability to most any situation and their great diversity in size, foliage and bloom, the shrubs are of first importance in creating landscape beauty. There are many suitable locations for planting shrubs about the home grounds. The house foundation and the angles and corners should be softened by shrubs of medium height. Spiraeas, Hydrangeas, Berberis, Deutzias and others of a like nature are suitable for this purpose.

Taller shrubs such as Lilacs, Philadelphus and Altheas are better planted along the sides and rear of the grounds. Here they can be used to give a frame to the property, block out undesirable views and serve as a screen for any purpose desired. Such group plantings should be made in the nature of borders, and the shrubs selected and arranged to give a continuance of bloom, pleasing foliage combinations together with a Fall and Winter coloring of bark and berries.

In planting, space the larger growing shrubs, such as Lilacs from four to five feet apart; medium tall shrubs, such as Spiraea Prunifolia three to four feet apart, and dwarf growing sorts such as Berberis or Deutzia Gracilis, two to two and one-half feet apart. Dig holes of ample size, place the plant, and after filling in with two-thirds of good top soil, add water to the level of the ground and allow this to settle. After the water has passed away, complete the filling in of the soil.

In pruning, remember that all early flowering shrubs bloom on the last year's wood and should not be pruned until after they have bloomed (otherwise the blooms will be destroyed for that season), at which time the old worn out wood and all weak growths should be cut away, allowing the vigorous young shoots to remain. The late flowering Shrubs, such as Altheas, Hydrangeas, etc., bloom on the wood made this season. These should be pruned early in the Spring, cutting them back severely to induce a vigorous new growth.

ALTHEA (*Rose of Sharon*). These thrive almost anywhere, producing their bloom from July till September.

—**Alba Plena**. Pure white; double.

—**Atropurpurea Plena**. Double purple.

—**Lady Stanley**. Semi-double; pale pink, splashed with carmine. Plants, 2 to 3 feet high, \$1.00 each (by P. P., \$1.15).

AMYGDALUS—Alba Flore Pleno (*Flowering Almond*). Erect, slender branches, which are covered in May with small, very double, fragrant white flowers. Strong plants, 2 to 3 feet, \$1.50 each (by P. P., \$1.65).

—**Rosea Flore Pleno**. Identical with the above, but bearing pink flowers. Strong plants 2 to 3 feet, \$1.50 each (by P. P., \$1.65).

AZALEAS. A family of dwarf bushy shrubs, bearing a great profusion of flowers in the Spring and succeeding best in a partially shaded position. Very useful for planting in the shady border or in groups by themselves.

—**Amoena**. An evergreen variety, literally covered with masses of rosy-crimson flowers in the late Spring. Bushy plants 8 to 10 inches, \$1.50 each (by P. P., \$1.75).

—**Hinodegiri**. Another evergreen variety and one of the best, bearing fiery-red single flowers in great profusion. Very desirable on account of its color. Bushy plants 8 to 10 inches, \$2.00 each (by P. P., \$2.25).

—**Mollis**. This is a deciduous variety, dwarf and bushy. The flowers are large and are produced in clusters on the ends of the shoots in May. We offer mixed colors only, which vary from pale yellow to the deeper orange and even scarlet. Strong plants 12 to 15 inches, \$2.50 each (by P. P., \$2.75).

BERBERIS—Thunbergii (*Japanese Barberry*). See page 139.

BRIDAL WREATH. See *Spiraea Prunifolia*.

BUTTERFLY BUSH. See *Buddleia*.

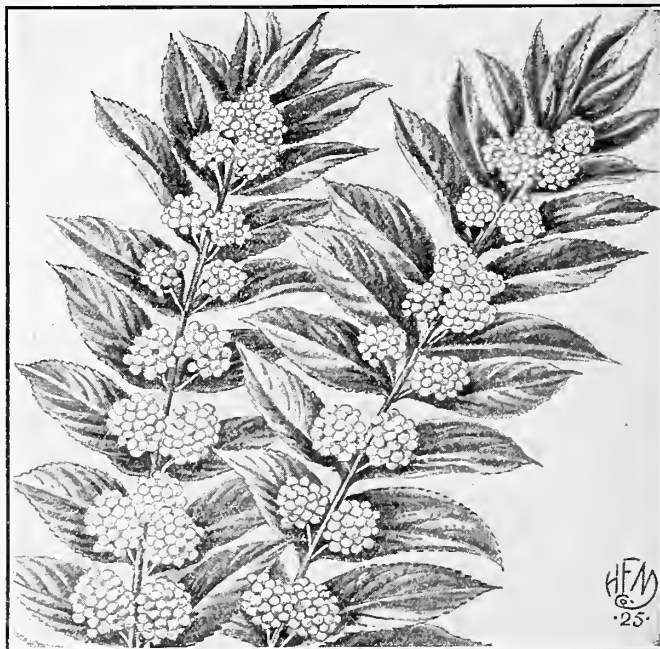
BUDDLEIA—Variabilis Magnifica (*Butterfly Bush or Summer Lilac*). See color plate opposite.

This is perhaps the most popular of our garden and hardy border shrubs, being almost continually in flower from July until frost. The bush grows to a height of about four feet and produces an abundance of flower spikes, which are made up of myriads of miniature florets of a beautiful lilac shade. The flowers are very fragrant and attract butterflies in great numbers, from which fact the shrub has gained its name. Even a small plant will flower freely the first season, if planted early.

Late in Fall a mound of earth should be drawn up around the base of the plant to a height of 10 to 12 inches as a protection to the eyes at the base of the stem, which will produce the growth the next season. Early in the Spring the mound of earth should be removed and the entire plant should be cut down to within 6 inches of the ground. Strong plants that will bloom the first season. 3 for \$1.00 (by P. P., \$1.15); 6 for \$1.75 (by P. P., \$2.00); 12 for \$3.50; 25 for \$6.50; \$20.00 per 100, by express not prepaid.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply decorative shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee decorative shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.



Callicarpa Purpurea

CALLICARPA PURPUREA (*Beauty Fruit*). A beautiful shrub growing about 3 feet high, with graceful branches that are covered in August with tiny pink tinted flowers. These are followed in late September by violet purple berries borne in clusters from the axil of every leaf; these remain on the plant until the middle of the Winter. \$1.00 each (by P. P., \$1.15).

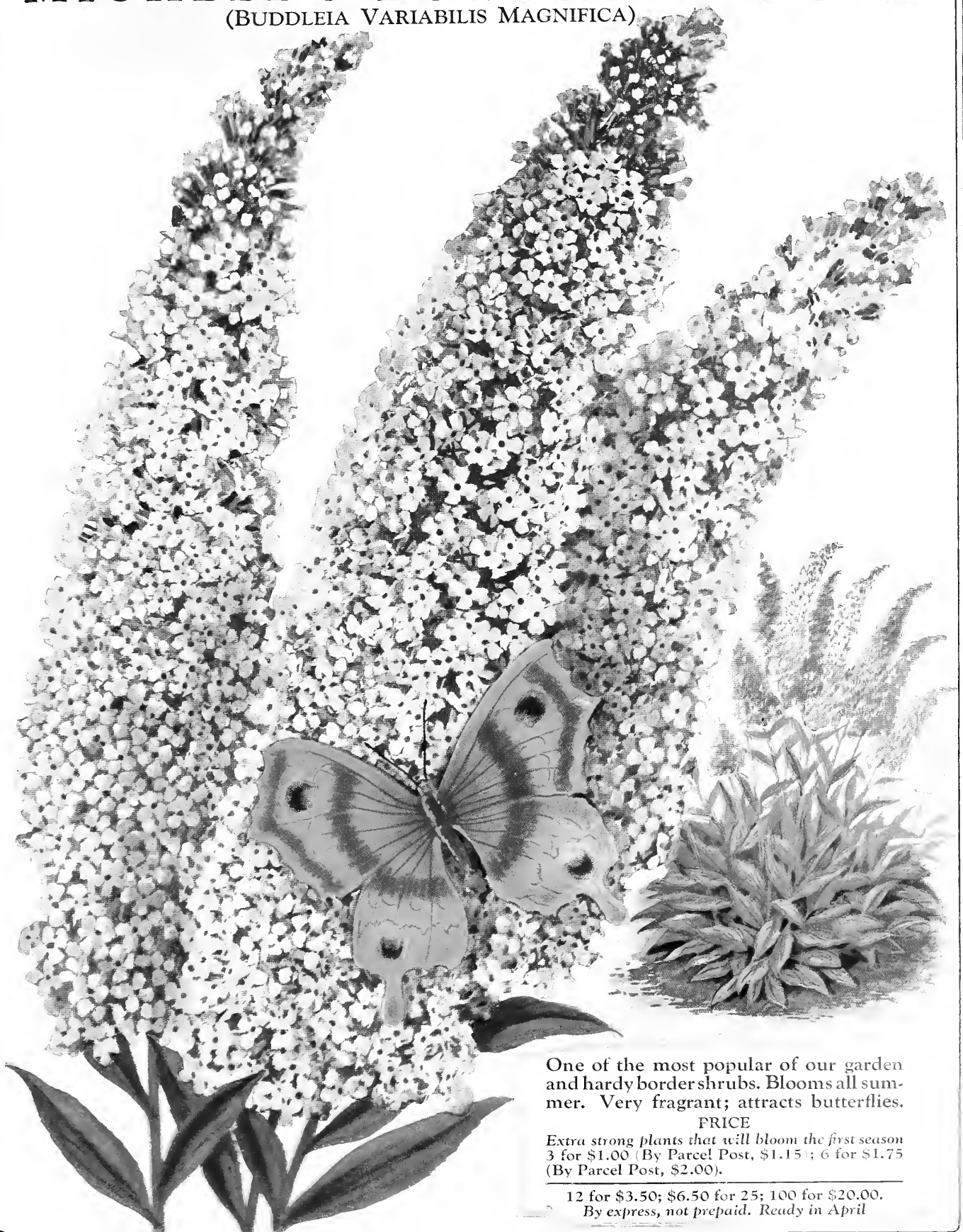
CALYCANTHUS—Floridus (*Sweet Shrub*). Chocolate-colored double flowers, with a peculiar agreeable odor. Blooms in June. 3 to 4 feet, \$1.00 each (by P. P., \$1.15).

CERCIS—Canadensis (*Judas Tree or Red Bud*). A tall, slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers. 4 to 6 feet plants, \$1.50 each.

Shipping Seasons are usually from March 15th to May 1st and from October 15th to November 15th.

MICHELL'S BUTTERFLY BUSH

(BUDDLEIA VARIABILIS MAGNIFICA)



One of the most popular of our garden and hardy border shrubs. Blooms all summer. Very fragrant; attracts butterflies.

PRICE

Extra strong plants that will bloom the first season
3 for \$1.00 (By Parcel Post, \$1.15); 6 for \$1.75
(By Parcel Post, \$2.00).

12 for \$3.50; \$6.50 for 25; 100 for \$20.00.
By express, not prepaid. Ready in April

MICHELL'S HARDY DECORATIVE FLOWERING SHRUBS

CHIONANTHUS—Virginica (*White Fringe*). In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants, 2 to 2½ feet, \$1.00 each (by P. P., \$1.15).

CLETHRA—Alnifolia (*Sweet Pepper Bush*). Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. One of the prettiest of our native shrubs. 2 to 3 feet, \$1.00 each (by P. P., \$1.15).

CORNUS (*Dogwood*). This plant is so well known that it hardly needs description. The flowers appear before the foliage in May. In autumn it takes on a rich crimson shade.

—**Florida** (*White Flowered Dogwood*). Strong plants, 2 to 3 feet, \$1.75 each (by P. P., \$2.00).

—**Rubra** (*Pink Flowered Dogwood*). 2 to 3 feet, \$5.00 each (by P. P., \$5.25).

—**Elegantissima** (*Variegated Dogwood*). A beautifully variegated shrub which should be planted more freely. Strong plants, 2 to 3 feet high, \$1.00 each (by P. P., \$1.15).

—**Lutea** (*Golden-twigged Dogwood*). Bright yellow branches in Winter. Strong plants, 2 to 3 feet high, \$1.00 each (by P. P., \$1.15).

—**Sibirica** (*Siberian Dogwood*). Branches, a bright, coral red which are quite ornamental for Winter effects. Strong plants, 2 to 3 feet high, \$1.00 each (by P. P., \$1.15).

CRAB. See *Malus*.

CYTISUS—Laburnum (*Golden Chain*). A large shrub with shining green leaves and long drooping racemes of yellow flowers, which appear in the early summer. \$1.50 each (by P. P., \$1.70).

EXOCHORDA GRANDIFLORA (*Pearl Bush*). A medium sized shrub, producing white flowers in graceful clusters, early in the Spring; very graceful and fine for cut flowers. Strong plants, 18 to 24 inches, \$1.00 each (by P. P., \$1.15).

FLOWERING ALMOND. See *Amygdalus*.

FLOWERING CRAB. See *Malus*.

FORSYTHIA (*Golden Bells*). Bright golden-yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare.

—**Fortunei**. Erect growing with dark green foliage; strong plants, 4 feet.

—**Intermedia**. April. Vigorous grower with slender, erect or arching branches. Considered by many as the best of the family.

—**Suspensa**. Graceful, drooping tendency. Frequently planted on banks and slopes. Beautiful as specimens or in masses.

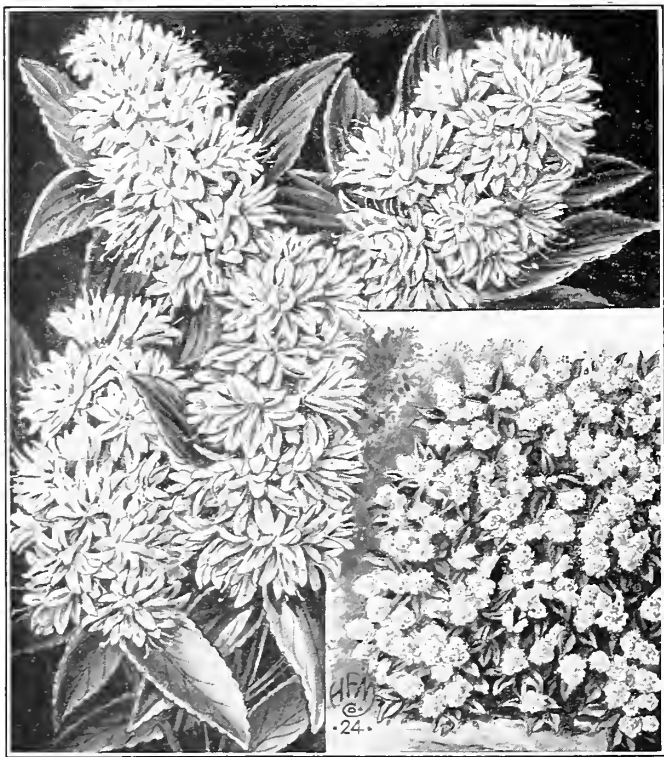
—**Viridissima**. Erect shoots, spreading branches and excellent foliage that assumes a rich Autumnal tint and persists until early Winter.

Price of Forsythias, \$1.00 each (by P. P., \$1.15).

GOLDEN BELLS. See *Forsythia*.

GOLDEN CHAIN. See *Cytisus*.

HONEYSUCKLE. See *Lonicera*.



Deutzia

DEUTZIA. The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive.

—**Candidissima Fl. Pl.** Abundant racemes of double, pure white flowers in June; luxuriant foliage, and fine habit. 3 ft. plants.

—**Crenata Rosea Fl. Pl.** Double flowering; white tinged pink. 3 ft.

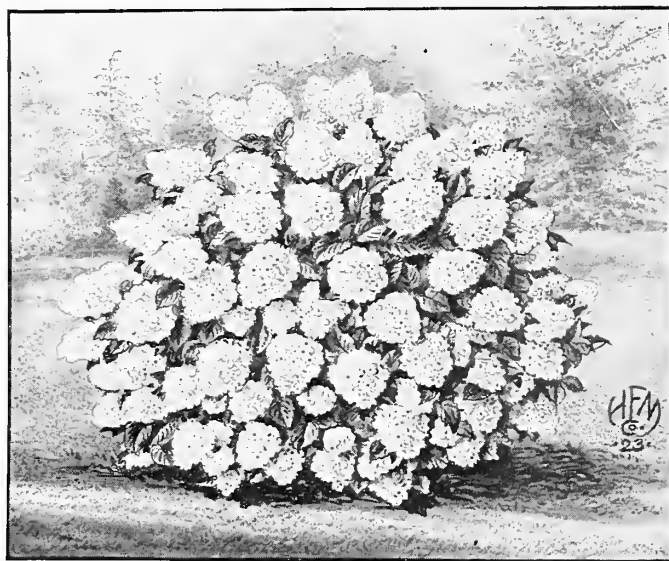
—**Gracilis**. Of dwarf, bushy habit; white flowers. 18 inches.

—**Pride of Rochester**. The flowers, borne in large panicles, are pinkish white, with under-side of the petals rose. June.

Any of the above Deutzias, \$1.00 each (by P. P., \$1.15).

DOGWOOD. See *Cornus*.

EVONYMUS ALATA (*Cork-barked Evonymus*). Small delicate flowers in late Spring are followed by attractive red berries in the Fall. Curious corky bark, brilliant Autumnal foliage. Best for individual planting. 18 to 24 inches, \$1.00 each (by P. P., \$1.15).



Hydrangea Paniculata

HYDRANGEA—Arborescens Grandiflora Alba (*Snowball Hydrangea*). The snow-white blooms are of the largest size, coming into flower early in June and lasting until late in August. Is more hardy than any other sort and especially suited for shaded places. 2 to 2½ ft., \$1.00 each (by P. P., \$1.15).

—**Paniculata Grandiflora**. The large panicles of white flowers are at their best during August, later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form, 2 ft. plants, \$1.00 each (by P. P., \$1.15). Extra strong stock, 3 ft., \$1.50 each (by P. P., \$1.70).

—**Paniculata Grandiflora** (*Standard or Tree Shaped*). These are fine, planted as individual specimens in the lawn or in the center of beds, containing other plants. Stems 2 to 2½ feet long, with shapely heads, \$1.75 each (by P. P., \$2.00).

—**Quercifolia** (*Oak-leaved Hydrangea*). A handsome spreading shrub with striking foliage, turning in Autumn to a beautiful red. The flowers are produced freely in August, in flat white clusters. Strong plants 18 to 24 inches, \$1.50 each (by P. P., \$1.65).

JAPAN QUINCE. See *Pyrus*.

Shipping seasons are usually from March 15th to May 1st, and from October 15th to November 15th.

JASMINUM—Nudiflorum. A fine shrub for sheltered positions, bearing fragrant yellow flowers very early in Spring. Hardy south of Philadelphia. \$1.00 each (by parcel post, \$1.15).

JUDAS TREE. See Cercis.

LILAC. See Syringa.

LONICERA—Fragrantissima (Honeysuckle). March and April. Delightfully fragrant white flowers that come with the first breath of Spring. \$1.00 each (by parcel post, \$1.15).

Morrowi. An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May. During the late summer and early autumn the plant is covered with bright red berries. Plants, 3 feet, \$1.00 each (by parcel post, \$1.15).

Ruprechtiana. A free flowering variety; white flowers during May and June, followed by red fruit. \$1.00 each (by parcel post, \$1.20).

MALUS—Floribunda (Japanese Flowering Crab). One of the best of the flowering Crabs. The buds are a warm rose color opening to light pink flowers—the whole forming a shapely bush or small tree. 3 to 4 feet, \$2.00 (by parcel post, \$2.25); 4 to 5 feet, \$2.50 each.

Ioensis Plena (Bechtel's Double Flowering Crab). A shapely little tree, producing quantities of very double, fragrant flowers of a soft pink, resembling a small Rose in formation. 18 to 24 inches, \$1.25 (by parcel post, \$1.45); 2 to 3 feet, \$1.50 (by parcel post, \$1.75); 3 to 4 feet, \$2.00 each (by parcel post, \$2.25).

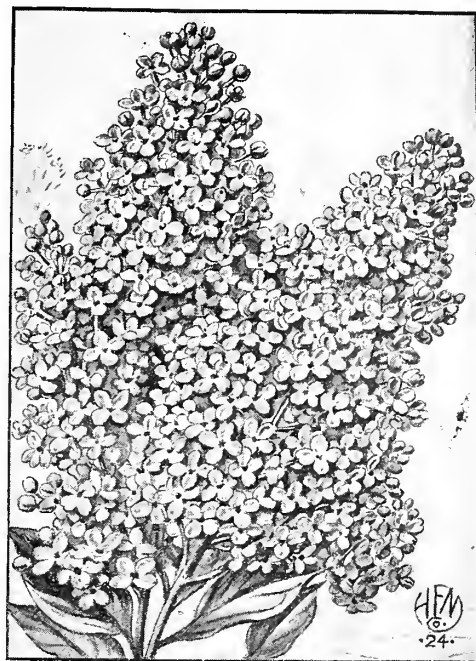
Parkmanii (Parkman's Flowering Crab). Rose-colored buds open into little rosy-white flowers; these are succeeded by decorative fruits. The tree is of a rather spreading, irregular habit. 3 to 4 feet, \$2.00 each (by parcel post, \$2.25).

MOCK ORANGE. See Philadelphus.

PHILADELPHUS—Avalanche. One of the newer varieties and one of the best, growing from 6 to 8 feet in height with slender arching branches which are nearly covered with large pure white flowers. Strong plants 18 to 24 inches high, \$1.00 each (by parcel post, \$1.15).

Coronarius (Mock Orange). Handsome foliage and beautiful, fragrant white flowers in May and June. 2 ft. plants, \$1.00 each (by parcel post, \$1.15).

Grandiflorus. A robust growing variety, bearing large white flowers. 3 ft., \$1.00 each (by parcel post, \$1.15).



Syringa (Lilac)

PYRUS—Japonica (Japan Quince). This shrub is a beautiful sight when covered in the early spring with cherry-red flowers, about the size of an apple blossom. Extra strong plants, 2 ft., \$1.00 each (by parcel post, \$1.15).

RED BUD. See Cercis.

RHUS—Typhina Laciniata (Dwarf Cut-leaved Sumac). Low growth and fern-like foliage highly colored in the fall months. \$1.00 each (by parcel post, \$1.15).

ROSE OF SHARON. See Althea.

SNOWBALL. See Viburnum.

SPIREA—Anthony Waterer. Of dwarf, dense habit, bearing a profusion of crimson flowers. 18 inches.

Prunifolia (Bridal Wreath). The pretty double white flowers are all along the almost leafless stem about May 1st, just as the leaves are budding. 3 feet.

Thunbergi. One of the prettiest of the dwarf shrubs, with fine delicate foliage and a profusion of small white flowers in the early Spring. 18 inches.

Van Houttei. The most beautiful of all white Spireas, flowering in May, when it is a complete fountain of white bloom. 3 feet.

Price of Spireas, \$1.00 each (by parcel post, \$1.15).



Philadelphus (Mock Orange)

SYRINGA (Lilac)—Charles X. A strong growing variety bearing large trusses of reddish purple flowers. \$1.25 each (by parcel post, \$1.45).

Japonica. A very desirable free flowering tree, bearing during June and July fragrant white flowers in large panicles. \$1.00 each (by parcel post, \$1.20).

Marie Legraye. A dwarf growing variety, producing immense trusses of beautiful creamy white flowers; one of the most popular single white sorts. \$1.25 each (by parcel post, \$1.45).

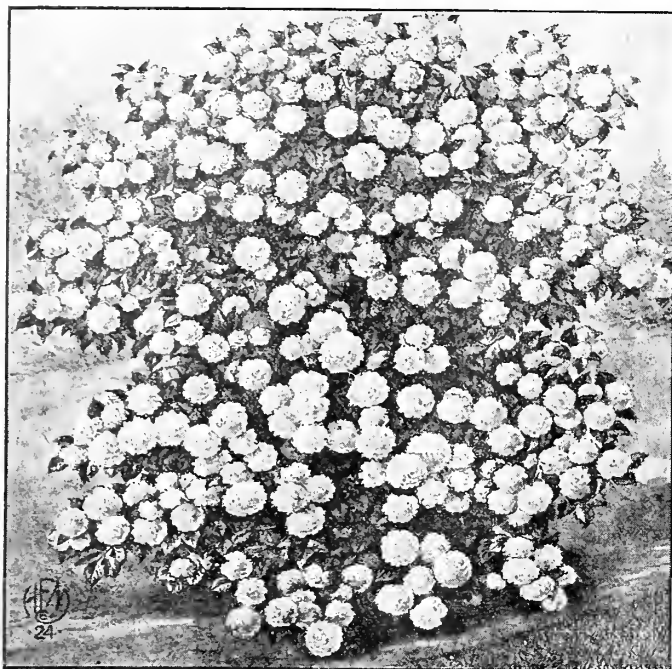
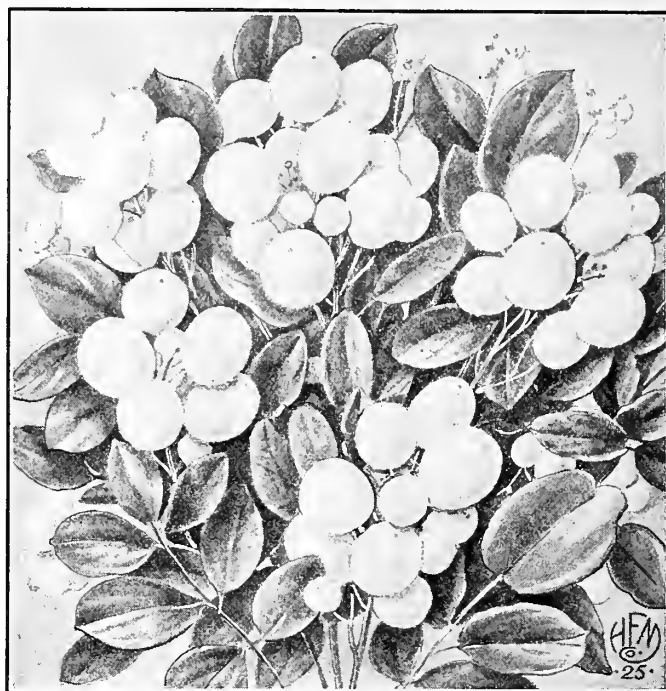
Vulgaris. Common purple, sweet-scented lilac. \$1.00 each (by parcel post, \$1.20).

Vulgaris Alba. Pure white type of the above, but more fragrant. \$1.00 each (by parcel post, \$1.20).

Shipping Seasons are usually from March 15th to May 1st and from October 15th to November 15th.



Spirea, Van Houttei

Snowball (*Viburnum*)*Symphoricarpus* (Snowberry)

SUMAC. See Rhus.

SWEET PEPPER BUSH. See Clethra.

SWEET SHRUB. See Calycanthus.

TAMARIX—Africana. Strong, slender, upright growth, with panicles of feathery pink flowers in May. 3 to 4 feet, \$1.00 each (by parcel post, \$1.15).

—**Hispida Aestivalis.** A distinct variety, bearing delicate sprays of soft pink flowers in July and August, very light and feathery. 2 ft. to 3 ft., \$1.00 each (by parcel post, \$1.15).

VIBURNUM OPULUS (*High Bush Cranberry*). One of the most popular shrubs, bearing clusters of white flowers in June, followed by bright scarlet berries in Autumn, which are very attractive throughout the winter. Strong plants, 2 ft. to 3 ft., \$1.00 each (by parcel post, \$1.15).

—**Opulus Sterilis** (*Snowball or Guelder Rose*). This is the popular white Snowball, filled with large globes of white flowers in May. Strong plants, 2 ft. to 3 ft., \$1.00 each (by parcel post, \$1.15).

—**Plicatum** (*Japanese Snowball*). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy; blooms in June. Extra fine plants, 2 to 3 feet, \$1.00 each (by parcel post, \$1.15).

—**Tomentosum.** Distinct from all other varieties of Snowball, both in foliage and flower; the latter are more flat than those of the other varieties and followed by decorative red fruits, changing to black as they ripen. Strong plants, 2 to 3 feet, \$1.00 each (by parcel post, \$1.15).

VITEX AGNUS CASTUS (*Chaste Tree*). A shrub or small tree, with strong aromatic odor; dense spikes of pale lilac flowers from July to September. Strong plants, 2 feet, \$1.00 each (by parcel post, \$1.15).

WEIGELIA—Candida. Flowers abundantly in June and July; additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. Plants, 2 to 3 feet, \$1.00 each (by parcel post, \$1.15).

—**Eva Rathke.** Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts; 2 to 3 feet, \$1.00 each (by parcel post, \$1.15).

—**Rosea.** Remarkably showy flower; numerous spreading branches and dark green leaves. The rose-colored blooms are produced in great abundance. \$1.00 each (by parcel post, \$1.15).

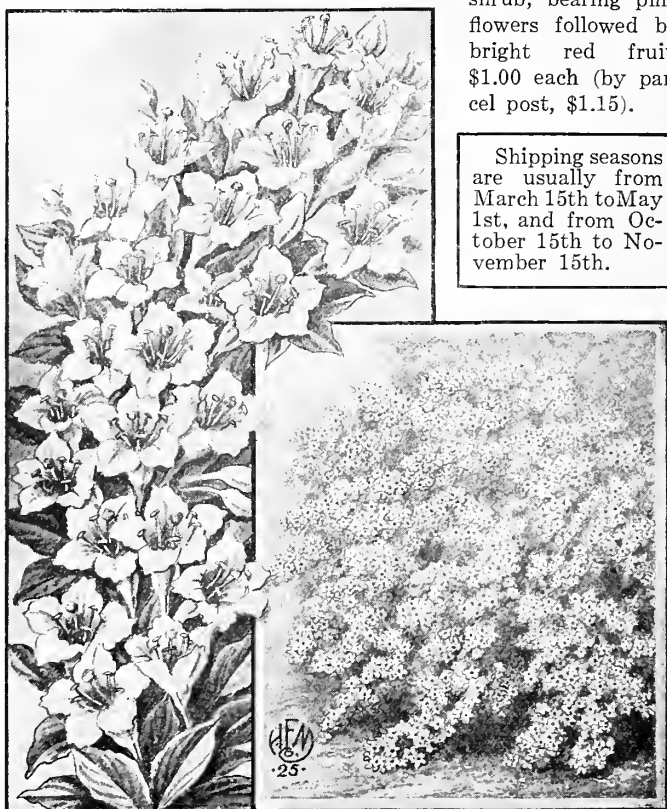
—**Rosea nana variegata.** Silvery variegated leaves and pale pink flowers. \$1.00 each (by parcel post, \$1.15).

WHITE FRINGE. See Chionanthus.

SYMPHORICARPUS—Racemosus (*Snowberry*). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter. Strong plants, \$1.00 each (by parcel post, \$1.15).

—**Vulgaris** (*Red fruited or Indian Currant*). This is a well known shrub, bearing pink flowers followed by bright red fruit. \$1.00 each (by parcel post, \$1.15).

Shipping seasons are usually from March 15th to May 1st, and from October 15th to November 15th.



Weigelia

NEW RED-LEAVED JAPANESE BARBERRY

Introducers Description

It is only once in a lifetime that a really worth-while, outstanding novelty in hardy shrubs is introduced, and in this new Barberry we have such a plant.

It is similar in all respects to the green-leaved Japanese Barberry which is so popular for mixing in the shrubbery border, as single specimens, or for planting in clumps on the lawn, as well as for foundation plantings and for hedges, but the foliage of this new variety is of a rich, lustrous, bronzy red, similar to the richest red-leaved Japanese Maples. However, unlike these and other colored shrubs in which the coloring fades or disappears entirely as the season advances, this new Barberry becomes more brilliant and gorgeous throughout the summer, and in the fall its foliage changes to vivid orange, scarlet, and red shades, more brilliant and more effective than in the ordinary Japanese Barberry. In this coloring it is unequalled by any other shrub and is followed by the same brilliant scarlet berries common to the type, which remain on the plant the entire winter.

All that is required to develop its brilliant coloring at all seasons is that it be planted in full exposure to the sun.

	Each	Doz.
Strong 1 year old plants.....	\$0.75	\$7.50
Strong 2 year old plants.....	1.25	12.00

BERBERIS THUNBERGII (Japanese Barberry)

A good hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter, it should be regarded as a shrub as it can be planted individually in lawn or border. The slender branches are prickly, with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Height	Each	Doz.	100
9 to 12 inches.....	\$0.25	\$2.50	\$15.00
12 to 18 inches.....	.35	3.50	25.00
18 to 24 inches.....	.50	5.00	35.00
24 to 30 inches.....	.75	7.50	50.00

If wanted by parcel post, add 25c. per doz. for mailing charges.

HYDRANGEA HORTENSIS

This class of Hydrangeas is planted extensively at many of the Atlantic seashore resorts and while it is perfectly hardy there it is not reliably hardy inland, even in the latitude of Philadelphia, unless planted at the side of a porch or building where it has some protection from the winter sun. Outside of these favored locations we recommend tub culture as the most satisfactory.

They should be left outside as late in the fall as possible, care being taken, however, to avoid sharp frosts, which would injure the buds.

They should then be removed to a cool, light cellar where they will have a temperature of about 40 degrees and given only enough water to keep the roots from drying up and the branches from shriveling. The plants should be brought out in the early spring and well watered; provision should be made, however, to protect them from late frosts.

In some soils these will flower blue naturally and in other soils the flowers will be pink.

If you wish to have blue flowers when they naturally come pink this may sometimes be attained by incorporating with each bushel of soil one-half pound of lump alum broken into small pieces.

Otaksa. This is the old-fashioned favorite Japanese variety that usually flowers pink. It produces enormous flower trusses in great numbers. The plant increases in size and flowering ability each year and is the ideal variety for planting extensively at the seashore.

2 1/4-inch Pot Plants, 3 for \$1.00 (by P. P., \$1.10); \$3.00 per doz. (by P. P., \$3.25).

4 -inch Pot Plants, 2 for \$1.00; \$5.00 per doz.

6 -inch Pot Plants, \$1.25 each; doz., \$12.00.

7 -inch Pot Plants, \$1.50 each.

9 -inch Tub Plants, \$3.00 each.

FRENCH VARIETIES

If these are to be left out-doors in the winter, we recommend careful protection.

Baby Biminet. Large compact trusses of silvery rose flowers.

E. G. Hill. Immense heads, clear pink.

General de Vibraye. Enormous flowers of a bright rose color.

Lilie Mouillere. Beautiful carmine-rose.

Radiant. Brilliant rose pink; bright and showy.

Souv. Mme. E. Chautard. Early, free flowering pink.

Trophee. Brilliant carmine; very free flowering. One of the most desirable.

2 1/4-inch Pots, 3 for \$1.00 (by parcel post, \$1.10); per doz., \$3.00 (by parcel post, \$3.25).

4-inch Pots, 2 for \$1.00; per doz., \$5.00.

6-inch Pots, \$1.25 each; per doz., \$12.00.

Plants in four-inch pots and over are best shipped via express; 2 1/4-inch pot plants can be sent by parcel post.

BOXWOOD, Dwarf, for Edging

We have a quantity of dwarf edging, nice bushy stock for edging beds and paths. Boxwood grows into value and adds charm to the garden that no other plant can do.

	Each	Doz.	100
6 to 8 inches high.....	\$0.50	\$5.00	\$35.00
8 to 10 inches high.....	1.00	10.00	80.00
10 to 12 inches high.....	1.50	15.00	100.00
12 to 15 inches high.....	2.00	20.00	150.00

CALIFORNIA PRIVET

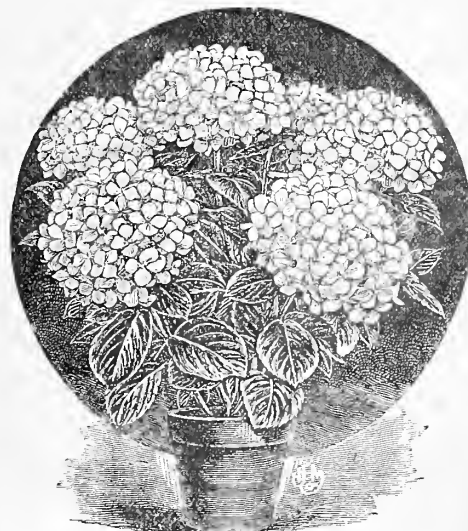
Unlike a fence, which needs painting, repainting, etc., and then never looks well, this hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in beauty with each successive year. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick, dense growth. Plant from October 15th till the ground freezes, and from March 15th to May 15th.

Height	Doz.	100	1000
1-yr. old, 18 to 24 inches.....	\$1.25	\$6.00	\$50.00
2-yr. old, 24 to 30 inches.....	1.50	8.00	70.00
2-yr. old, 30 to 36 inches.....	2.00	10.00	90.00
3-yr. old, 36 to 48 inches.....	2.50	15.00	125.00

Privet plants are best shipped via express.

GOLDEN OR VARIEGATED PRIVET

Like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. We recommend it especially for placing among shrubbery or for planting on the lawn; the contrast between the grass and golden foliage is beautiful. **Bushy Plants, 75c. each** (by parcel post, 90c.); doz., \$7.50.



MICHELL'S SELECT FRUITS

PLEASE NOTE.—The following states forbid the shipment of Gooseberries and Currants within their boundary, owing to their quarantines against the White Pine Blister Rust. We are therefore unable to accept orders for these plants for shipment into—California, Colorado, Delaware, Georgia, Idaho, Kansas, Maine, Maryland, Massachusetts, Minnesota, Montana, Nebraska, Nevada, New Hampshire, North Carolina, Oregon, South Carolina, South Dakota, Tennessee, Utah, Washington, West Virginia and Wisconsin.

HAVE YOUR OWN FRESH PICKED FRUIT

Unquestionably one of the joys of living in the country or suburbs is the fact that one can plant a plot of fruit; the space at command will of course govern what you may have, but in the wide variety there is at least one or more for which space should be made. None bought in the market can compare with those picked fresh by yourself when you want them. Any surplus that cannot be consumed may be put up for winter use.



Blackberries

BLACKBERRIES (Extra Strong Plants)

Blackberries thrive most anywhere. The plants are subject at times to attacks of rust, particularly during prolonged wet spells in summer. A spraying, especially underneath the foliage, with copper solution, usually arrests this. However, if the disease spreads too much, it is best to dig up the bushes, burn them and plant new ones in another part of the garden. If they are sprayed before being affected it is the best plan.

Eldorado. A very vigorous grower, free from mildew or rust; very productive; fruit large, excellent quality and without core.

Mersereau. Remarkably strong grower. An enormous producer of extra size berries, which are brilliant black, and retain their color under all conditions; very sweet and without core. Unsurpassed as a shipper and keeper.

Ward. An extra strong grower; produces an enormous crop of extra large, glossy black berries, which are rich, sweet, and tender and with no hard core.

Price of Blackberries. 6 for 75c. (by P. P., 85c.); \$1.00 per doz. (by P. P., \$1.15); per 100, \$7.00.

Shipping Seasons for small fruits are usually from March 25th to May 15th and from November till freezing time.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply "small fruit" bushes of the best quality in first class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or grower. If customers desire us to guarantee these and trees and shrubs to live we will assume such guarantee at an advance of 25 per cent, over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

CURRANTS

(Extra Strong Plants)

Currants like good, rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Red Dutch. An old and well-known standard variety; clusters average about three inches long; berries medium in size; dark red.

Price. Strong 2-year old, 3 for \$1.00 (by P. P., \$1.15); per doz., \$3.00 (by P. P., \$3.25); \$20.00 per 100.

Carney's Point, N. J.

I am very well satisfied with the plants I received from you; do not think they could have been any better. J. L. V.



Currants

GOOSEBERRIES

(Extra Strong Plants)

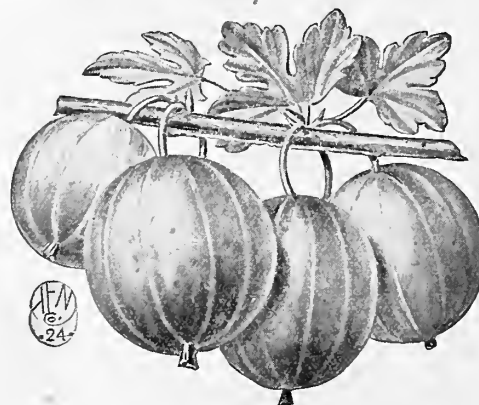
Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. Poultry or Pigeon manure is splendid fertilizer for the plants, and where it cannot be readily obtained we recommend a liberal application of Sheep manure. They will repay you for this trouble with an extra big crop.

Downing. Medium to large; whitish green; flesh soft and juicy.

Red Jacket. Berries medium; color, pale red; tender and good.

A wonderful cropper, with clean, healthy foliage.

Price. 3 for \$1.00 (by P. P., \$1.15); doz., \$3.00 (by P. P., \$3.25); \$20.00 per 100.



Gooseberries

GRAPE VINES

A few of these planted in the garden, after several years will yield abundant crops, and they last for years with little attention except pruning and spraying.

Caco. The most delicious of all Grapes—perfectly hardy; has been pronounced by America's most expert grape growers to equal in high quality and melting texture the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. The large berry is wine-red. Bunch of good size, compact and of good form. Ripens in ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine very strong, vigorous grower, healthy and prolific. This is a very fine variety and is easily worth the slight advance in price over the older varieties, \$1.00 each (by P. P., \$1.10); doz., \$10.00 (by P. P., \$10.25).

Campbell's Early. A valuable and delicious grape; vine very strong, hardy and vigorous, with thick healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich and delicious.

Catawba. Delicious flavor; medium size, red berry.

Champagne. A sterling variety of greatest merit. Color a coppery red. Berries very large. Immense producer. Seasons in which other varieties did not fruit, this variety stood out bearing an immense crop. Very strong grower, fifteen to twenty feet or more a season being common. Has never known to winter kill. \$1.00 each (by P. P., \$1.10); doz., \$10.00 (by P. P., \$10.25).

Concord. The well-known standard purple variety; succeeds wherever grapes will grow.

Moore's Diamond. A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

Niagara. An unusually strong grower; bunches very large and compact; berries large, light greenish-white, semi-transparent; has very little pulp and is sweet to the center.

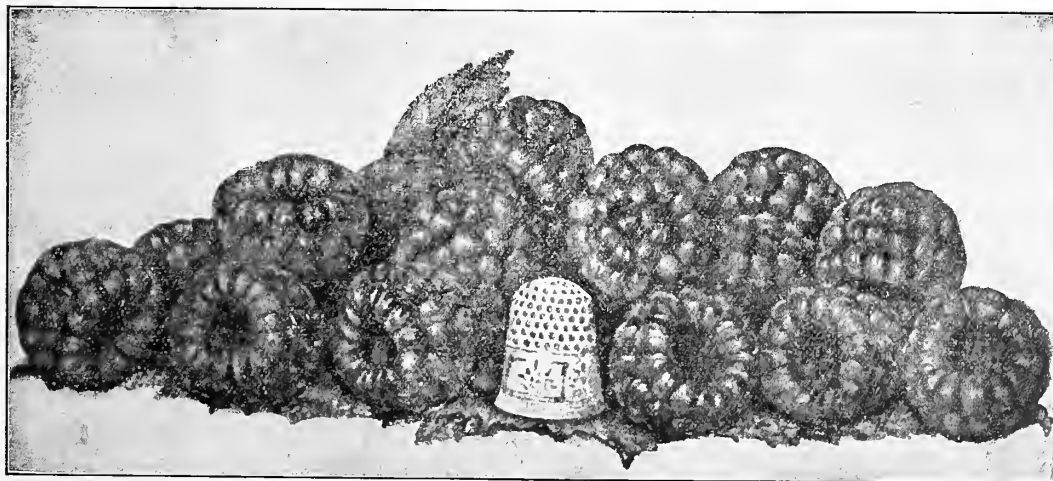
Prices. Any of the above, excepting Caco and Champagne, 2-year old vines, 60c. each (by P. P., 70c.); 3 for \$1.50 (by P. P., \$1.65); doz., \$5.00 (by P. P., \$5.25).

EVERBEARING RASPBERRY "RED RANERE" or "St. REGIS"

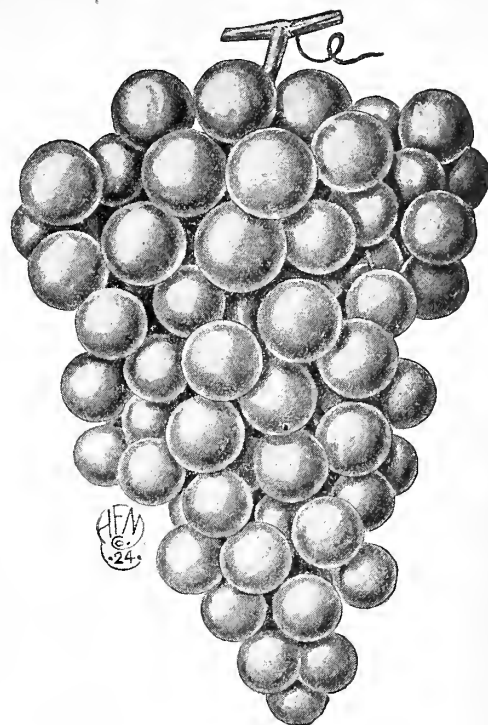
The most popular Raspberry in cultivation, bearing continually from July until well into November. Its main crop is produced in the earlier period, but substantial quantities may be harvested almost every day until sharp frosts appear. The fruit is of good size, luscious in taste and excellent flavor, in fact there is no good quality any of the regular varieties of raspberries possess that is lacking in Ranere; a few dozen bushes will supply the average family with sufficient for table use and a surplus for canning; the color is a brilliant red. Strong plants, 6 for 75c. (by P. P., 85c.); \$1.00 per doz. (by P. P., \$1.15); per 100, \$7.00.



Cuthbert Raspberry



Everbearing Raspberry Ranere



Grapes

RASPBERRIES

(Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We also recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

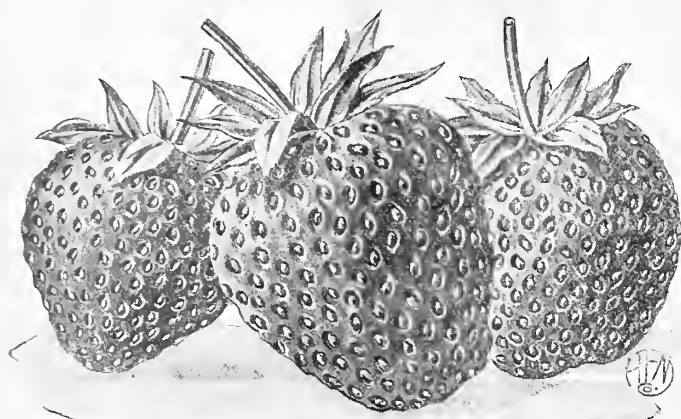
Cumberland (Blackcap). The largest raspberry known. Selected specimens measure an inch in diameter.

Cuthbert. Berries very large, measuring 3 inches around; conical; rich crimson; an old-time favorite.

Welch. So sweet and rich in flavor, this was at one time offered as "Honey Raspberry." A mid-season variety with berries of extra large size, good, bright crimson color and honey sweetness, melting and luscious. It is not firm enough to ship well a long distance. The canes are vigorous, hardy and productive. Superb for the home garden.

Price, 6 for 75c. (by P. P., 85c.); \$1.00 per doz. (by P. P., \$1.15); per 100, \$7.00.

MICHELL'S SELECT FRUITS



Mastodon Everbearing Wonder Strawberry

STRAWBERRY PLANTS

There are two types of Strawberry Plants, one known as "Pot Grown," usually ready for shipping in July and August, and the other known as "Layer Plants," usually shipped in the spring months and the latter is what we are offering here. Layer plants set out in the early spring usually bear a few berries the first season, while the main and succeeding crops come the following season and later. The layer plants should be set out in April, when possible, about 1 foot apart, in rows two feet apart.

EARLY VARIETIES

Premier (Perfect). This variety has no weak points, it is a vigorous grower, doing well on all types of soil. The plants are enormously productive, commencing early and bearing through a long season. The berries are beautiful in appearance, having a glossy rich red color extending clear through, and a bright green cap; the flavor is delicious. We consider this one of the very best berries in cultivation.

Senator Dunlap (Perfect). This grand Strawberry will please the most critical person. One of the first to yield and continues well into the height of the season. Fruit bright red, glossy and very attractive. It cannot be recommended too highly.

MID-SEASON VARIETIES

Big Joe (Perfect). The merits of this splendid variety are great vigor of plant, splendid root system, exceptional productiveness, large size of fruit, excellent flavor, and length of bearing season. The berries are perfect beauties, of very uniform, conical shape, rich red in color. In size the berries are not surpassed by those of any other variety grown, while the flavor is superior to that of most large fruited sorts.

Glen Mary (Imperfect). A very popular berry in the middle and northern states, where it is at its best. The fruit is large, firm, handsome in appearance and of excellent quality. This variety is a robust grower and where it does well will probably produce more fruit per plant than any other variety. The blossoms are about half perfect, therefore the plants should be set close to some strong perfect variety such as "Big Joe."

LATE VARIETIES

Chesapeake (Perfect). One of the finest late berries ever introduced, producing very large fruit of a most excellent quality. For best results should be planted in very rich soil and given good care, which will be more than repaid by the quantity and quality of the fruit produced.

Gandy's Prize (Perfect). This variety is known to most every berry grower as one of the best late sorts. It is very large, solid and of a beautiful crimson color; especially good for family garden planting.

William Belt (Perfect). Chosen for its popularity because of the many good qualities embodied in this one variety. The plant is vigorous, though not a rampant grower; succeeds on all soils, invariably yields heavily, and continues for a long period; the berries are always of large size and highest quality; deep crimson in color and very firm. Continues to bear until almost the close of the season.

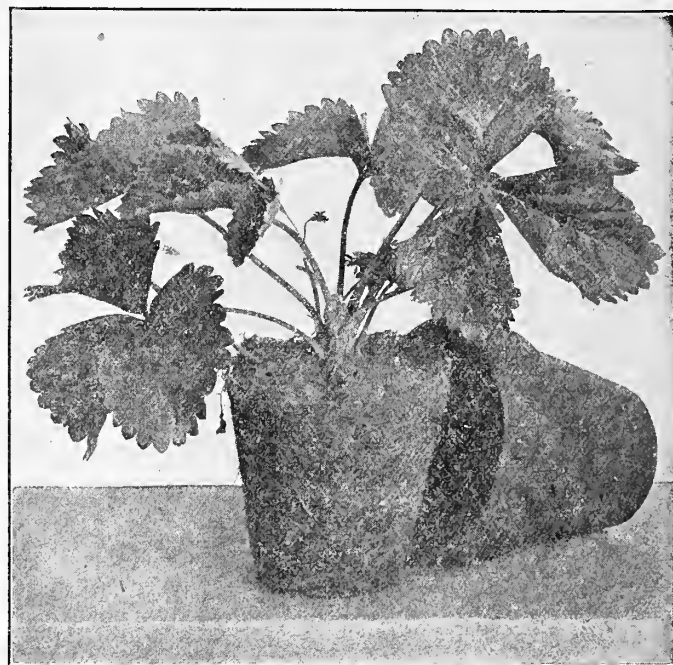
Price of the above Layer Strawberry Plants. 25 for \$1.00 (by P. P., \$1.10); \$1.50 for 50 (by P. P., \$1.65); 100 for \$2.00 (by P. P., \$2.25); \$17.50 for 1000. We can supply most all other popular varieties though not offered here.

We cannot undertake to supply less than 25 plants of one variety as they are put up in bundles of 25. Shipping season usually begins in April and continues until plants are in blossom.

AUTUMN FRUITING OR EVER-BEARING STRAWBERRY PLANTS

Mastodon Everbearing Wonder. This is unquestionably the most prolific of everbearing varieties. Bears continuously from June till frost; the late bearing fruits being as large as the early crop; berries are of excellent quality. Plants should be grown in single hills as it does not do so well in matted rows. Price, layer plants, 25 for \$4.50 (by parcel post, \$4.60); \$8.50 for 50 (by parcel post, \$8.65); per 100, \$16.00 (by parcel post, \$16.25).

Progressive. The berries are medium in size and delicious in quality. You can get fruit a few weeks after the plants are set and they continue to bear until freezing weather. Price, layer plants, 25 for \$1.00 (by parcel post, \$1.10); \$1.50 for 50 (by parcel post, \$1.65); per 100, \$2.75 (by parcel post, \$3.00); \$22.50 per 1000.



A Pot Grown Strawberry Plant

POT GROWN STRAWBERRY PLANTS

Ready after August 1st.
Will be offered in our Mid-summer Catalog, which will be issued about June 15th.

BOOKS ON THE CULTURE OF FRUITS

(Prices are postpaid.)

American Fruits (Fraser).	916 pages.....	\$5.00
Canning and Preserving (Rorer).....		1.10
Grape Culturist (Fuller).....		2.15
Principles of Fruit Growing (Bailey).....		2.70
Pruning, Principles and Practice of (Kains).	400 pages	2.70
Pruning Manual (Bailey).....		2.70
Small Fruit Culturist (Fuller).	298 pages.....	1.75
Strawberry, The (Fraser).....		1.35

Less than 500 Strawberry plants may be shipped safely by Parcel Post—larger quantities should be shipped by Express (oi)
No plants or trees sent C. O. D.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee trees to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

APPLES

- Baldwin.** Large round, deep red, late variety.
Ben Davis. A late keeper; handsome striped fruit.
Fall Pippin. Large, yellow, rich and delicious. A good bearer when it reaches maturity. Likes a moist, well-drained soil; a good Autumn apple.
Grimes' Golden. Deep golden yellow; fine for Christmas.
Hyslop (Crab). Deep crimson with blase bloom.
Red Astrachan. An old popular variety; tart, juicy; flesh tinged with red; very early.
Stayman's Winesap. Fine variety; good keeper; deep red on a yellow ground.
Transcendent (Crab). Yellow, striped red; good yielder.
 Price of Apple Trees: 6 to 8 feet high, \$1.50 each; 6 for \$3.00; \$12.00 per dozen.

APRICOTS

As fresh fruit few varieties equal in lusciousness the apricot; should be planted more generally where there is room for trees.
Alexander. Orange yellow with faint blush; firm, coarse flesh, one of the best.

Price of Apricot Trees: \$2.00 each; 6 for \$9.00; \$15.00 doz.

CHERRIES

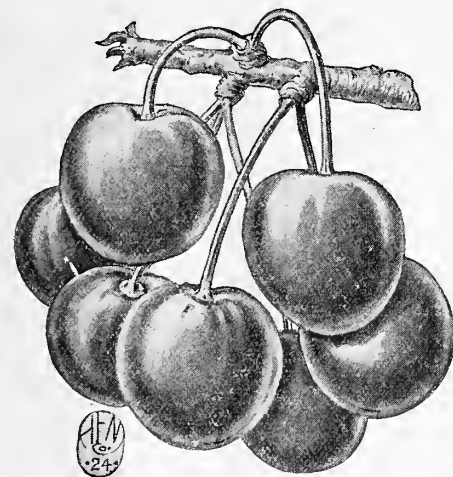
Black Tartarian (Sweet). Large, purplish black; immense bearer.

Early Richmond (Sour). Dark red, medium size; splendid flavor.

Large Montmorency (Sour). Light red; very productive.

Schmidt's Bigarreau (Sweet). A good late variety. Fruit large; flesh dark red, very firm, sweet, rich and of good quality.

Napoleon (Royal Ann). The best



Cherries

and most profitable yellow sweet cherry. Flesh very firm, juicy and delicious.

Price of Cherry Trees: 5 to 7 feet, \$2.00 each; 6 for \$9.00; \$15.00 per dozen.

PEARS

Bartlett. Yellow, shaded blush; very sweet and juicy; early.
Clapp's Favorite. An excellent table Pear; large, fine grained; yellow with crimson cheek. August.

Kieffer. A fine variety for late autumn and for canning.

Seckel. Small; yellowish brown; very sweet and juicy.

Price of Pear Trees: 5 to 7 feet, \$2.00 each; 6 for \$9.00; \$15.00 per dozen.

PLUMS

Abundance. Amber, turning to a rich, bright cherry color.

Burbank. Orange yellow, overlaid red; rich and sugary.

Imperial Green Gage. Middle of August. A delicious, good-sized free-stone, sweet and juicy. Greenish in color.

Price of Plum Trees: 5 to 6 feet, \$2.00 each; 6 for \$9.00; \$15.00 per dozen.

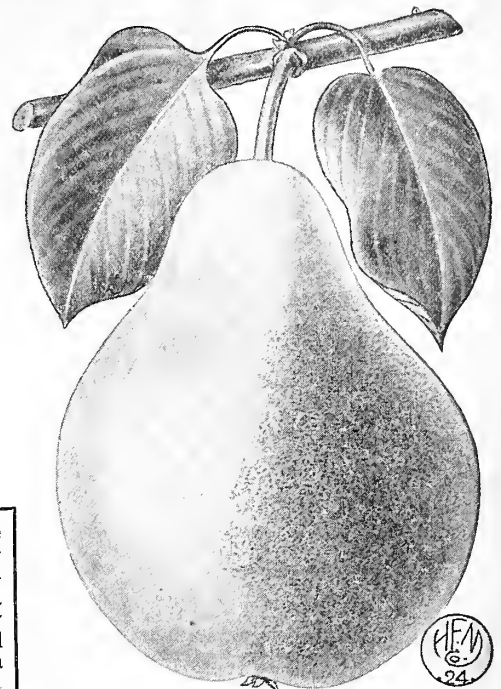
QUINCES

Champion. Very prolific bearer; large fruit.

Orange. Round; golden yellow; fine for preserving.

Price of Quince Trees: 4 to 5 feet, \$2.00 each; 6 for \$9.00; \$15.00 per dozen.

NOTE—We can also supply all other varieties of Fruit Trees.



Bartlett Pear

Fruit trees are best shipped by express; they cannot be sent via parcel post as they are too large, and shipment via freight is not safe.

PEACHES

Belle of Georgia. Free-stone; rich creamy white, red cheek.

Carman. Early; pale yellow, red blush; very fine.

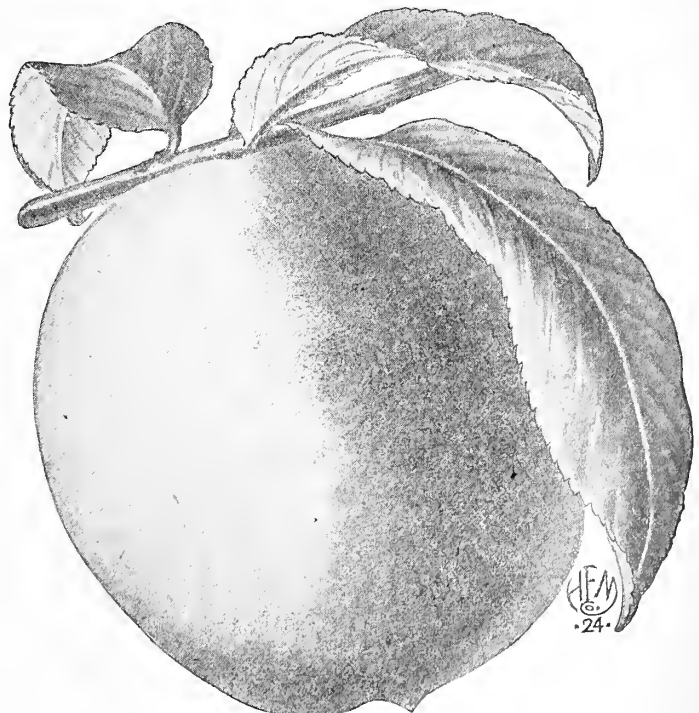
Champion. August. A magnificent white peach; extremely rich and juicy; very popular. Should be included in every home orchard. Free-stone.

Crawford's Late. Greenish yellow with dull red cheek.

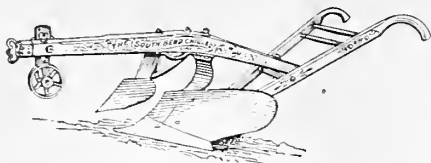
Elberta. Mid-season; very large; yellow with red cheek.

Fox Seedling. Late September. Skin and flesh white. Free-stone. Fruit large and of high quality.

Price of Peach Trees: 5 to 6 feet, \$1.00 each; 6 for \$5.00; \$9.00 per dozen.



Peach



SOUTH BEND PLOWS

For garden, farm or truckers' work it meets every requirement; made of chilled steel in various sizes to meet all conditions.

No. 1B.	Wood beam plain; for one horse.....	\$12.00
No. 2F.	Wood beam plain; for 1 heavy or 2 light horses...	14.50
No. 3F.	Wood beam plain; for 2 horses.....	21.00
No. 4F.	Wood beam plain, heavy; for 2 horses.....	25.00

The prices above are for plain plows with clevis only.

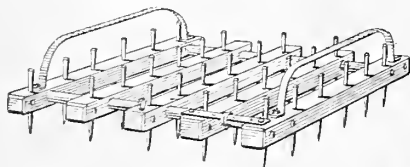
The Nos. 2 and 3 Plows can be equipped with wheel and jointer at the following additional cost; wheel only, \$2.00; jointer only, \$3.75.

SOUTH BEND PLOW PARTS

	Shares	Mouldboards	Beams
No. 1B	\$0.50	\$2.25	\$2.55
No. 2F	.55	3.25	2.85
No. 3F	.65	4.25	3.20
No. 4F	.70	4.60	3.80
	Complete Handles	Jointer-points	Land-sides
No. 1B	\$2.05		\$0.75
No. 2F	2.25		1.00
No. 3F	2.50	\$0.30	1.25
No. 4F	2.75	.30	1.35

SINGLE AND DOUBLE TREES

No.		Price
11	Wood Single Trees, 26-inch, hooks or rings.....	\$1.50
11	Wood Single Trees, 28-inch, hooks or rings.....	1.60
2	Wood Double Trees, heavy, 36-inch, hooks or rings.....	4.50
3	Steel Single Trees, 26-inch, hooks or rings.....	1.75
1	Steel Double Trees, 34-inch, hooks or rings.....	5.50



GARDENER'S SPIKE TOOTH HARROW

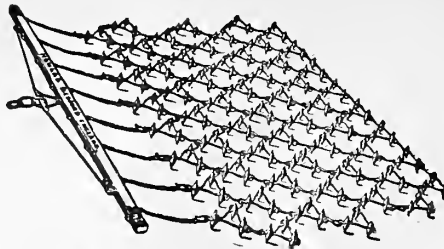
Though old-fashioned in appearance and construction, this harrow is still preferred by many; fitted with runners, upon which it may be turned to take it from place to place.

24 teeth.....\$12.50 | 30 teeth.....\$13.50

DISC HARROWS

All 2 horse size.			
Discs	Diameter	Cut	Price
8	16 in.	4 ft.	\$50.00
10	16 in.	5 ft.	60.00
12	16 in.	6 ft.	67.50

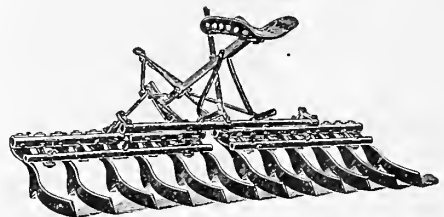
Prices include pole; if Fore Truck is wanted in place of pole, add \$10.00 to the above prices.



SCOTCH CHAIN HARROW

One of the best implements for pulverizing the surface soil, leveling and smoothing; also splendid for covering grass seed, etc. Used on driveways and race tracks, it smooths the surface, eliminating ruts and footprints.

No.	Size	Weight	Price
1F.	One-horse size, 5 x 6 ft.	126 lbs.	\$35.00
2F.	Medium two-horse size, 6 x 7 3/4 ft.	236 lbs.	50.00
3F.	Full two-horse size, 9 x 11 ft.	357 lbs.	65.00

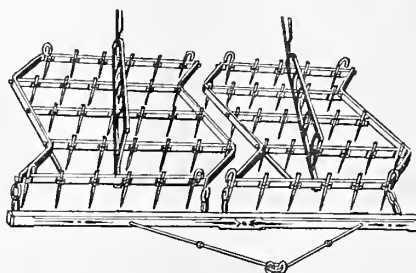


ACME PULVERIZING HARROW

This will be found by those having a large acreage an indispensable implement for pulverizing and crushing the ground.

No.		Price
23.	6 ft. covering area, 2-horse.....	\$30.00
G.	3 ft. covering area, 1-horse.....	15.00

Extra blades or coulters, \$1.00 each.



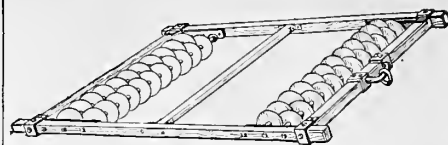
CHAMPION SPIKE TOOTH HARROWS

These are equipped with a lever for lessening or increasing the depth of cultivation and are adjustable instantly. The teeth are equipped so as to readily pass any obstruction in the soil.

Teeth	Sections	Price
25	1	\$15.00
30	1	17.00
50	2	30.00
60	2	34.00

CRESCENT SPRING TOOTH HARROWS

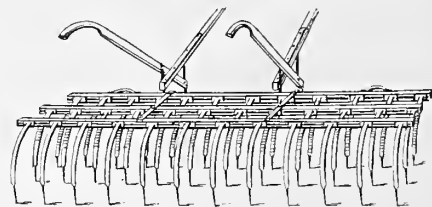
Teeth	Sections	Price
15	2	\$35.00
17	2	40.00
9	1	21.00



MEEKER DISC HARROW

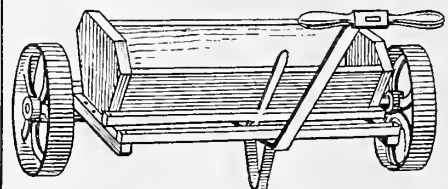
This harrow leaves the soil a fine seed bed, as good as could be prepared with a rake; the ideal tool or implement for dragging over the garden after it has been harrowed; splendid also for dragging over grass field or lawn, prior to sowing grass seed on sod.

No.		Price
1.	4 ft. 6 in. x 4 ft.—46—8 in. discs.	\$40.00
2.	6 ft. 8 in. x 6 ft.—58—8 in. discs.	45.00
3.	8 ft. x 6 ft.—82—8 in. discs.....	60.00



THE KEYSTONE WEEDER

Surface cultivation stirs the soil, keeps down weeds and prevents evaporation of moisture. This weeder can be adjusted to cover a 7 1/2-ft. stretch. Any of the teeth can be easily removed, if it is desired not to cultivate very finely. Excellent for preparing a piece of ground prior to sowing lawn seed, etc. Equipped for one horse. Price, \$17.00. (Extra teeth, 40c. each.)



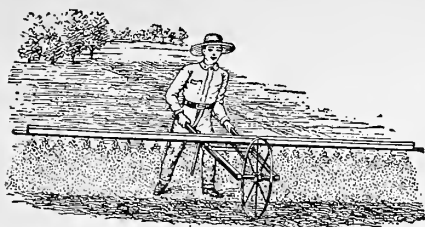
STEVENS FERTILIZER DISTRIBUTOR

For distributing bone meal, wood ashes and other commercial fertilizers on fields, lawns, golf courses, etc., also for sanding putting greens. Insures perfect and even distribution, requiring less time than by the broadcast hand process.

Hand Machine. Holds about 2 bu., covering area 3 feet wide. Price, \$25.00.

Horse Machine. For use on large lawns, fields and golf grounds. It is furnished equipped for either one or two horses, as may be desired. 5 foot, 10-inch spreading area, \$72.50; 8 foot, 3-inch spreading area, \$77.50.

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.



WHEELBARROW GRASS SEEDER

A practical machine for use on the Farm and also for sowing Parks and Golf Grounds; quickly regulated to sow different quantities per acre.

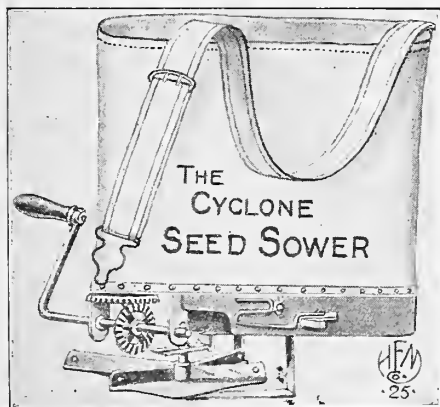
The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly. No. 9 (especially for Grass Seed), sows a width 14 ft. Price, \$15.



BROADCAST SEED SOWERS

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre.

Each
Cahoon.....\$5.50
Cyclone.....3.00



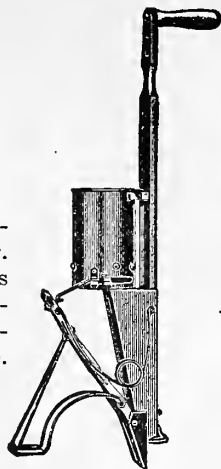
SOWRITE SEED SOWER

Latest Model

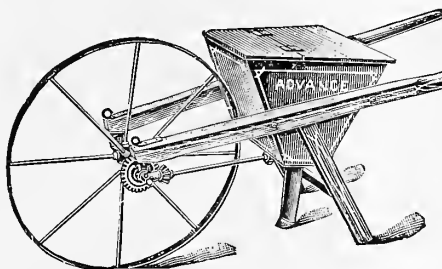
Sows all seeds up to the size of Sweet Peas and less; made of copper, nickel-plated. Price, \$1.50 each.

AMERICAN HAND CORN PLANTER

A great seed economizer and labor saver. Easily operated; works in all kinds and conditions of soil; accurate and reliable. Price, \$3.50.

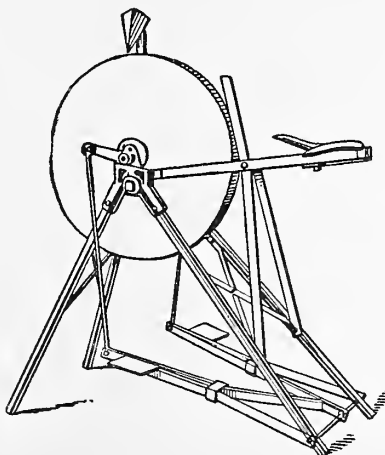


American Hand Corn Planter



"ADVANCE" DRILL

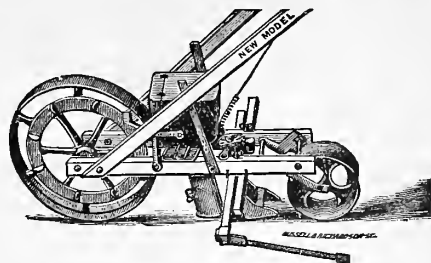
A splendid machine for drilling in fertilizer prior to planting, or between the rows to stimulate growth after the plants are started. A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement. First-class for drilling of peas, beans, corn, etc. Price, \$17.00.



STERLING MOUNTED GRINDSTONE

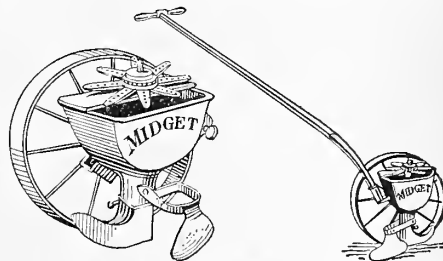
Substantially made; heavy steel frame with seat and double treadles; fitted with improved ball bearings of the very best quality, encased so they will keep clean. Stone, 19 to 22 inches diameter, 1 1/4 to 2 1/4 inches thick. Weight 100 lbs.

Shipped knocked down, crated. Price \$12.00.



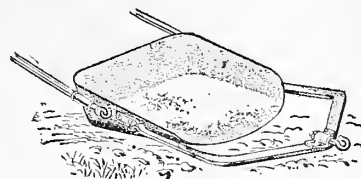
MODEL SEED DRILL

The depth of sowing can be easily regulated. A typical market gardener's drill, having a large capacity for seeds. Price, \$14.00.



THE MIDGET SEED DRILL

The Midget Seeder will pay for itself in a short time, because it saves seed by sowing accurately. It drills almost any kind of garden seed, including peas and beans. The Midget opens the furrow, sows the seed and covers up, all in one operation. Weight 6 pounds. No. 1. Price, without handle, \$4.00; with handle, \$4.50.



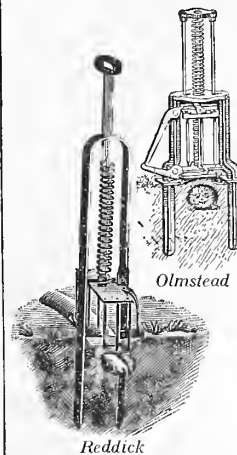
STEEL ROAD SCOOPS

For dragging soil from one place to the other, grading, filling in, etc.

No.	Capacity	Price
1.	7 cubic feet	\$12.00
2.	5 cubic feet	11.50
3.	3 cubic feet	11.00

MOLE TRAPS

Complete Booklet on the Habits of the Mole free, or included with each Mole Trap if asked for at time of ordering.



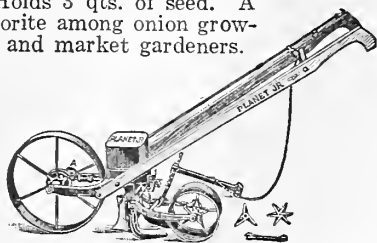
for that period. See illustrations above.
Olmstead.....\$2.00 (by P. P., \$2.25)
Reddick.....1.50 (by P. P., \$1.75)

146 PLANET JR. SEEDERS, WHEEL HOES, ETC.

No. 3 PLANET JR. HILL AND DRILL SEEDER

Price, \$17.50

Holds 3 qts. of seed. A favorite among onion growers and market gardeners.



The flow of seed is instantly started or stopped by the cut-off rod. Sows in large or small quantities in drills or in hills.

No. 4 PLANET JR. HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

Price, \$18.00



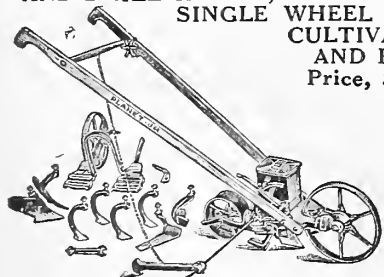
Sows all garden seeds, plows, opens furrows and covers them, hoes and cultivates.

No. 4D SEEDER. Price, \$14.25.

As above less the cultivating attachments.

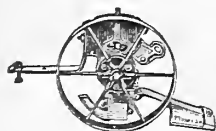
No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Price, \$21.50



A splendid combination for the family garden, onion grower or large gardener.

No. 35 PLANET JR. SEEDER ATTACHMENT



Ever since the wheel hoe has replaced the hand hoe there has been a demand for a small seeder that could be attached to the wheel hoe.

This is particularly suited for planting short rows and in small quantities. With one bolt it fastens to any Planet Jr. Wheel Hoe or Garden Plow, except the Fire-Fly, or you can bolt a home-made handle to the bracket on the rear of the hopper and use as a seeder independently of the wheel hoe. Price, \$6.50; with handle, \$7.00.

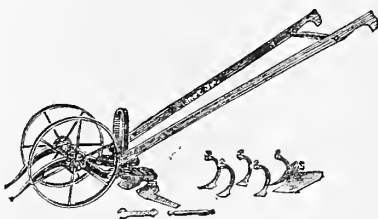
No. 11 PLANET JR. DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE

Price, Complete \$13.75



Straddles crops till 20 inches high, then works between.

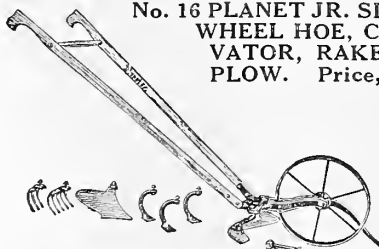
No. 12 PLANET JR. DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR AND PLOW. Price, \$10.75



No. 13 DOUBLE WHEEL HOE

This is like No. 12, except that it is equipped with 1 pair side hoes only. Price, \$8.00.

No. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW. Price, \$9.00



No. 17 PLANET JR. SINGLE WHEEL HOE. Price, \$7.75

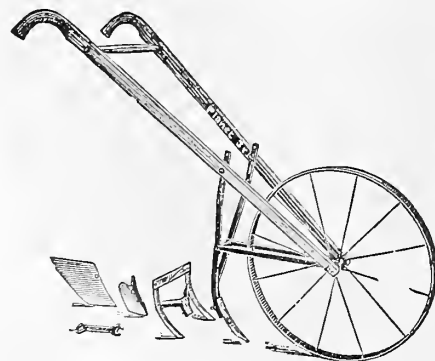
This is the same as No. 16, but without the rakes.

No. 17½ SINGLE WHEEL HOE

Same as No. 17, except there is no plow. Price, \$6.75.

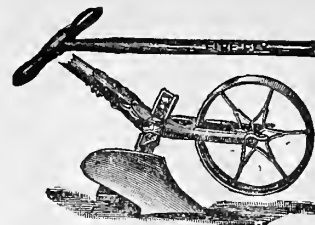
No. 18 SINGLE WHEEL HOE

This is like No. 17, except that it is equipped with 1 pair side hoes only. Price, \$5.75.



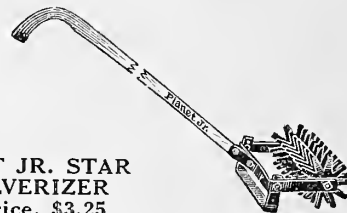
No. 119 PLANET JR. GARDEN PLOW AND CULTIVATOR

Equipped with a 24-in. diameter wire wheel, one 1¼ in. cultivator tooth, one 3-prong cultivator tooth, one plow, one reversible scuffle blade. Price, \$4.75.



FIRE-FLY GARDEN PLOW

Useful to owners of small gardens, and to chicken raisers for plowing up scratching yards. Price, \$4.25.

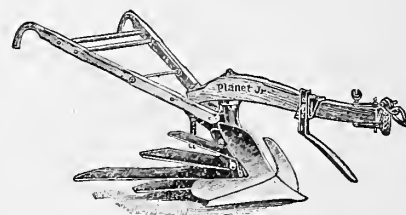


PLANET JR. STAR PULVERIZER

Price, \$3.25

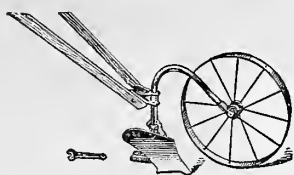
PARTS OF PLANET JR. WHEEL HOES

Disc Hoes.....	pair	\$3.50
4½-inch Hoes S100-S101.....	pair	1.20
6 -inch Hoes S100-S101.....	pair	1.30
7½-inch Hoes S100-S101.....	pair	1.50
9 -inch Hoes S100-S101.....	pair	1.65
Peat Land Hoes.....	pair	2.60
3-prong Cultivator Teeth.....	pair	1.75
Cultivator Teeth, Regular, No. 1395, all steel.....	each	.35
Narrow Cultivator Teeth, No. 2775, all steel.....	each	.35
Rakes, Three Tooth.....	pair	1.00
Rakes, Five Tooth.....	pair	1.60
Plows for Double Wheel Hoes... pair		1.40
Plows for Single Wheel Hoes... each		1.30
Double Mouldboard Plows.....		2.40
Handles.....	pair	1.00



IMPROVED PLANET JR. WHITE POTATO DIGGER

Equal to any for digging early, when the vines are green, the potatoes fast to them and the ground clean; at a later stage when the fields grow grassy and weedy, this digger does its work well. Does not skin the potatoes, digs fast; costs very little for repairs. Price, \$42.50.



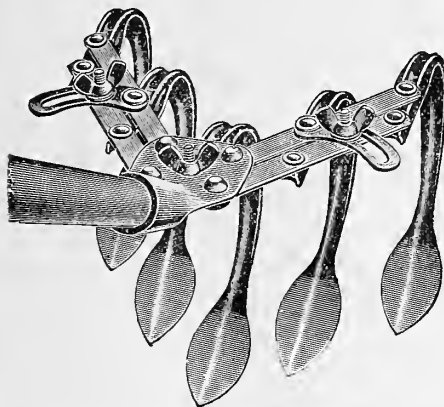
IRON AGE No. 11 WHEEL PLOW

The work of hilling up crops in the garden by the hand hoe method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidity, but does it much better. Price, \$4.50.



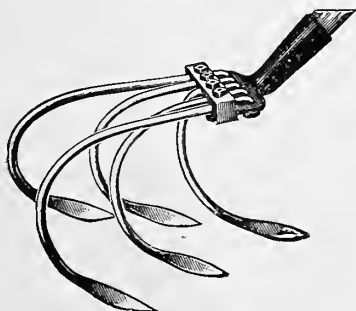
No. G5 FAIRY TRUE TEMPER GARDEN CULTIVATOR

Equipped with a 14-inch oval spoke wire wheel and five cultivator teeth, which may be adjusted in many ways, for cultivating rows from 8 to 10 inches apart. Price, \$3.00.



PULL EASY CULTIVATOR

The teeth are adjustable to various widths; splendid for going between rows of young, growing crops. Can be shipped by express or freight only. No. P. E. 5. Price, \$1.25.



INVINCIBLE CULTIVATOR

This will be found a useful tool for weeding, loosening the soil, preparing seed beds, etc. Price, with long handle, \$1.00.



PLANET JR. 12 TOOTH HARROW CULTIVATOR AND PULVERIZER

With the Twelve-Tooth Harrow, you go as deep or shallow as you like and come up close to row without injuring plants. You widen and narrow as you please, between 12 and 32 inches.

No. 90. Complete with lever, steel wheel and pulverizer, \$18.00.

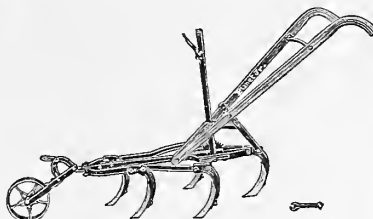
No. 90B. Without pulverizer, \$14.75.

No. 90D. Without pulverizer and wheel, \$11.75.



No. 8 PLANET JR. HORSE HOE AND CULTIVATOR

The lever wheel and depth regulator enable the operator to increase or lessen the depth of tilling by a mere stroke of the arm. A perfect five-toothed cultivator. Price, \$17.50.



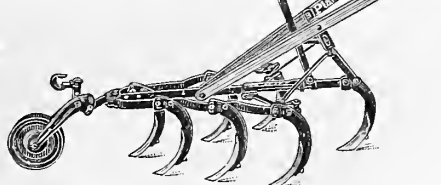
No. 101 PLANET JR. CULTIVATOR

The latest Planet Jr. Plain Cultivator with improved expander.

Price, as illustrated, \$11.75.

No. 101D. Price, without wheel, \$10.00.

No. 83 PLANET JR. CULTIVATOR

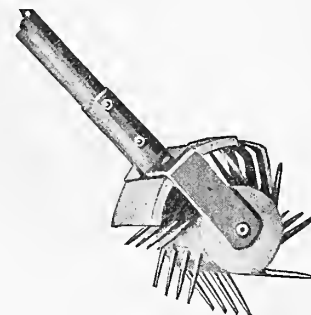


Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the five-tooth machine. Price, complete with steel wheel, \$15.50. No. 83D. Price without wheel, \$13.50.

PLANET JR. CULTIVATOR TEETH

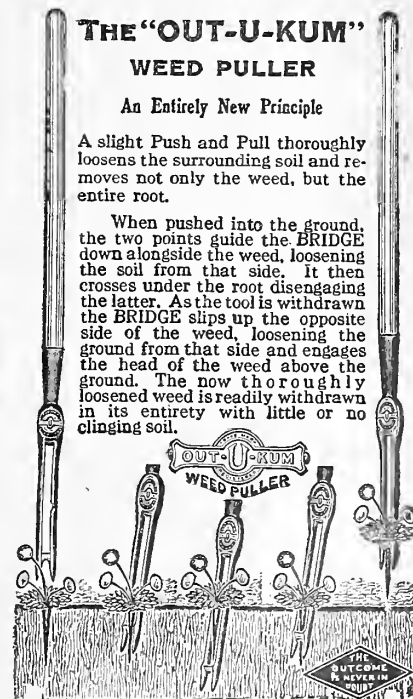
All 8 inches long.

Width	Price	Width	Price
1 1/4 inch.....	\$0.17	3 inch.....	\$0.22
1 3/4 inch.....	.18	4 inch.....	.27
2 1/4 inch.....	.20		



PORCUPINE CULTIVATOR

A steel covered roller 7 1/2 inches wide, studded with rows of steel spikes, which enter the soil vertically to a depth of about two inches. As the roller revolves these spikes come up horizontally, bringing a section of the earth crust up against the stationary stripper-fingers, which crush and pulverize the soil thoroughly. Fine for loosening up bare spots in the lawn, working in a top dressing of fertilizer and for a dozen other uses which suggest themselves. Price, \$5.00.



THE "OUT-U-KUM" WEED PULLER

An Entirely New Principle

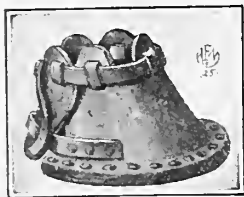
A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root.

When pushed into the ground, the two points guide the BRIDGE down alongside the weed, loosening the soil from that side. It then crosses under the root disengaging the latter. As the tool is withdrawn the BRIDGE slips up the opposite side of the weed, loosening the ground from that side and engages the head of the weed above the ground. The now thoroughly loosened weed is readily withdrawn in its entirety with little or no clinging soil.

Price of the Out-U-Kum Weed Puller \$1.00 each (by P. P., \$1.10).

See page 158 for a complete line of Hand Weeders.

LEATHER HORSE BOOTS



Made of very heavy sole leather, waterproofed and finished black. The sole is reinforced with steel rivets.

No. 2. 5 1/2 inches inside.

No. 4. 6 1/2 inches inside.

No. 6. 7 inches inside.

Price, per set of four, \$15.00 (by P. P., \$15.50).

Special Size Horse Boots made to order.

TENNIS COURT MARKERS

Junior Line-o-graph. A perfect liquid lime tennis court marker especially designed for private courts; works perfectly on grass or clay. Price, F. O. B., Philadelphia, \$52.50; F. O. B., factory, \$50.00.

No. 1M. The most practical marker where dry lime is used. Price, \$3.00 (by parcel post, \$3.20).



No. 1M

No. 3M. For marking tennis courts and athletic fields with liquid lime. Price, \$15.00.



No. 3M

LAWN AND PUTTING GREEN CLEANER

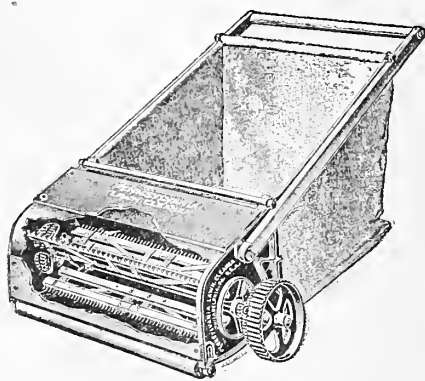
The flexible rake bars are of wood, with steel springs and teeth; they rotate just like a lawn mower cylinder and clean up every particle of leaves, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity.

Price, 24-in. Rake, or Sweeper, \$30.00.

36-in. Rake only, \$42.50.

Please specify when ordering if wanted for lawn or putting greens.

Sweeping Brushes. Can be readily attached to the Rake for sweeping lawns, putting greens, paths, etc. Price per set of three, 24-inch, \$7.00; 30-inch, \$9.00.



RUBBISH CONSUMERS

Made of galvanized wire; an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

Light Wire Construction

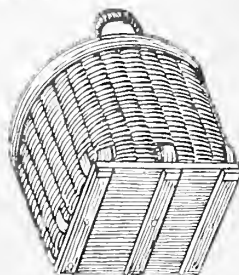
	Diam.	Height	Price
Letter C	18 in.	26 in.	\$3.25
Letter D	21 in.	31 in.	4.00

Extra Heavy Construction

	Diam.	Height	Price
No. 10	16 in.	22 in.	\$11.50
No. 20	20 in.	30 in.	16.50

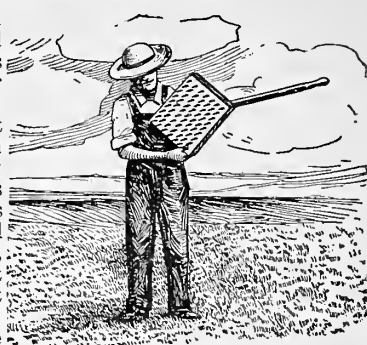
RUBBISH BASKETS

On all large places, on the lawn or in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or wheeled on a barrow. Price, with rope handles, \$4.75 each.

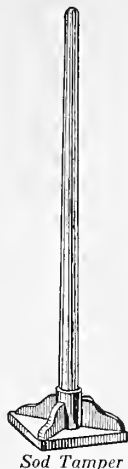


SOD PERFORATOR

For use in loosening soil where grass is worn out, for reseeding; makes a perfect seed bed which means quick growth of grass after the seed is sown. It is used like a tamper, its own weight being sufficient to properly perforate the ground; also desirable for use on putting greens, for renovating. Price, \$6.00.



Sod Perforator



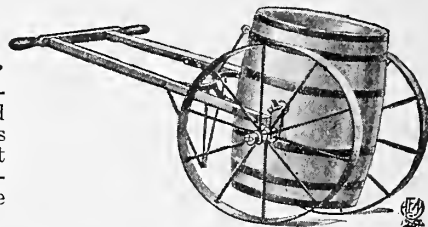
Sod Tamper

SOD TAMPERS

When laying sod it is necessary to properly firm it down, so that it will take new root quickly. It is also convenient for firming the soil or lawn on places where a roller cannot be used; made of iron with wood handle; 12 inches square; weight, 20 lbs. Price, \$3.50 each.

BARREL TRUCKS, Etc.

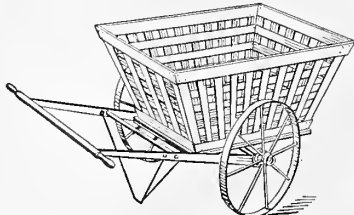
The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack attached.



3 1/2-inch tire truck, all iron wheels, with barrel.....\$24.00
Extra Barrels, with trunnions, open head..... 6.50

Wood Leaf Racks

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck as shown above. **Leaf Rack only, no truck, \$8.00**
Leaf Rack with 3 1/2-inch tire truck.....\$25.00
Truck with 3 1/2-inch tire wheels, no rack or barrel.....\$17.50



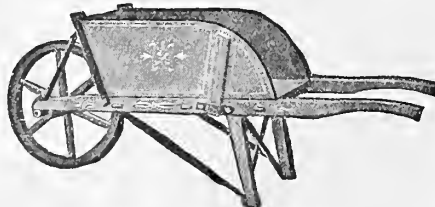
Keystone Leaf Racks

This device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$8.00.



Wheelbarrows

The measurements of barrows are understood, viz: length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.



Great American Wheelbarrow

	No.	Tire	Length	Depth	Width	Price
Great American	1	2 3/4	30	12	25	\$9.50
Great American	2	2 3/4	28	12	24	8.50
Great American	3	2 3/4	26	12	22	8.00
Great American (Boys')	4	1 3/4	22	9	18	6.00
Red Star		2 1/4				8.50
Canal. Side dump (bolted)						5.25
Special Greenhouse Style. Narrow body and handle width						11.00

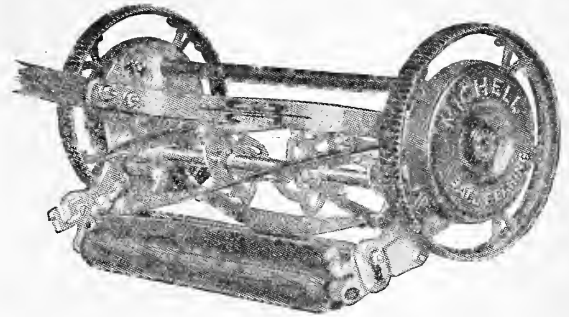
MICHELL'S IMPROVED HIGH WHEEL BALL-BEARING ROLLER BEARING WHEELS

For the Season of 1927, we offer an Improved Michell Ball Bearing Mower, similar in construction to the former models, but with roller bearings in the drive wheels, steel axles, thicker set screws and several other improved fittings. It is made by the Pennsylvania Lawn Mower Works, which insures its quality being the best.

The cylinder has five blades of tool steel, blades hardened and tempered in oil; it is equipped with internal driving gears on both sides. The cones and cups in which the balls revolve are hardened tool steel, while the balls themselves are extra large, of the best quality. The drive wheels are 10 inches high mounted on roller bearings, which ensures easy pushing; the bottom knife is self-sharpening with raised edge, of crucible steel, that will give long service. It can be regulated to cut the grass at a height of from $\frac{1}{2}$ to $1\frac{1}{2}$ inches, by adjustment, while it mows grass with ease that is 6 inches high.

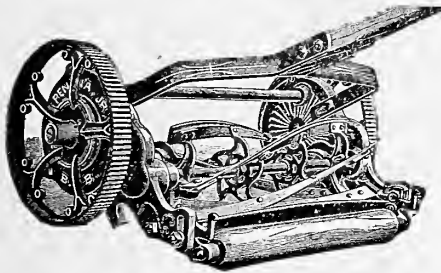
NOTE: The prices for this Improved Mower are the same as last year's model:

15-inch cut.....	\$19.50	19-inch cut.....	\$25.00
17-inch cut.....	22.50	21-inch cut.....	28.00



Michell BB High Wheel Lawn Mower

PENNA. JR. BALL-BEARING MOWER



To get the best results from this machine, which does exceptionally fine work, the lawn should be mowed at regular intervals. It cuts the grass shorter than the 4-bladed machine, hence requires mowing at stated periods when the grass is growing rapidly.

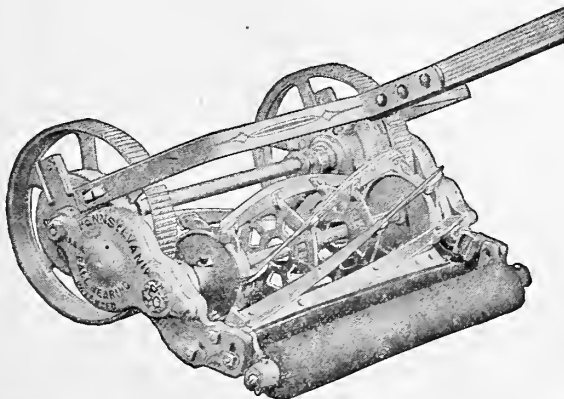
8-inch or low wheel, 5-blade cylinder, 5 $\frac{1}{2}$ -inch diameter.			
12-inch.....	\$17.00	16-inch.....	\$23.00
14-inch.....	20.00	18-inch.....	26.00
10-inch or high wheel, 5-blade cylinder, 6-inch diameter.			
15-inch.....	\$27.00	19-inch.....	\$34.50
17-inch.....	30.50	21-inch.....	38.50

We can also supply the Penna. Standard in same sizes and prices as above.

THE CONTINENTAL LAWN MOWER

The regulation style for every-day lawns. The Continental is double geared while the Pennsylvania is single geared. High wheel, 10 $\frac{1}{2}$ -inch diameter.

15-inch.....	\$27.00	19-inch.....	\$34.50
17-inch.....	30.50	21-inch.....	38.50



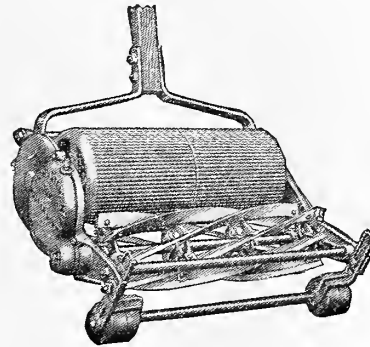
PENNSYLVANIA GOLF LAWN MOWER

For putting greens and close cutting around golf courses, tennis courts, etc.; equipped with an iron roller of small diameter, in three sections, in place of the usual wooden roller.

17-inch High Wheel, Ball bearing, 7 blade cylinder.....	\$34.00
19-inch High Wheel, Ball bearing, 7 blade cylinder.....	38.00
21-inch High Wheel, Ball bearing, 7 blade cylinder.....	42.00

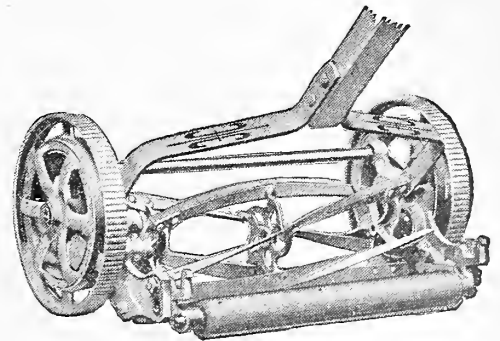
PENNSYLVANIA MOWER SUPER ROLLER MOWER TYPE

This new mower for Golf Greens is the last word in lawn mower construction. It has seven crucible steel blades in a high-speed cylinder, aluminum driving drums and train of cut gears running in a grease-tight case. Intermediate gear on roller-bearing; drums, cylinder and front caster wheels on ball bearings. The Super Roller Mower is light running, easy to push and cuts absolutely without ridging the greens. Weight only 55 lbs. One size only, 18-inch cut. Price, \$50.00. Grass Box, \$8.00; Carriage, \$5.00.

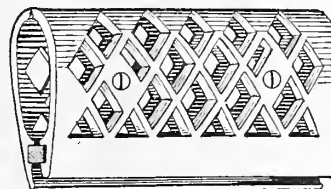


WM. PENN BALL-BEARING MOWER

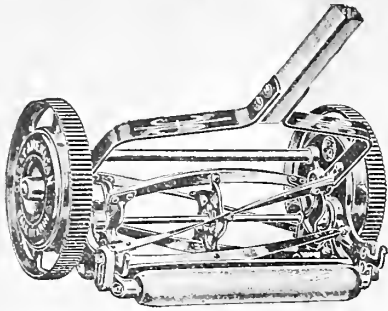
The latest creation of the factory making the famous Pennsylvania and Great American Lawn Mowers and represents a lot of value for the price. It runs easily, cuts clean and lasts long; it has 9-inch driving wheels, open style and the cylinder 5 $\frac{1}{2}$ inches in diameter, has 5 crucible steel blades, driven by an internal gear in each wheel. The crucible tool spring steel bottom knife is self-sharpening. Equipped with patented Staytite handle, with steel clamps adjustable for any possible shrinkage. One size only, 16 inch. Price, \$16.50.



LOGAN LAWN MOWER SHARPENER



Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife. Price, 75c. each (by P. P., 85c.). Extra files, 25c. each (by P. P., 30c.).

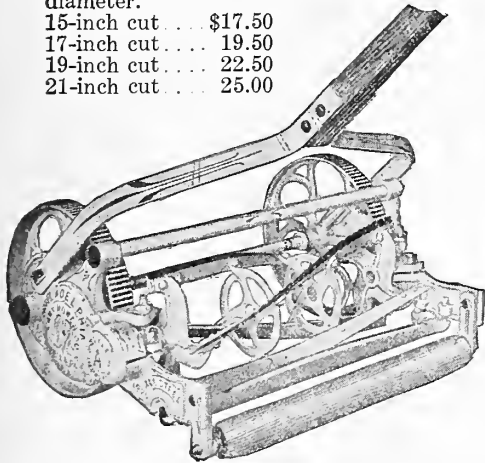


Great American Ball-Bearing Lawn Mower

GREAT AMERICAN BALL-BEARING LAWN MOWER

A high class machine at a medium price; it is regarded as the best all-around mower of its type. The perfectly fitting ball cups and cones insure an easy running machine. 10-inch wheels; 5 blade cylinder, 6 inches in diameter.

15-inch cut . . .	\$17.50
17-inch cut . . .	19.50
19-inch cut . . .	22.50
21-inch cut . . .	25.00



Philadelphia Lawn Mower

PHILADELPHIA LAWN MOWER

Style "A" Improved

All steel construction making it practically indestructible, 4-blade cylinder, 10-inch driving wheel; diameter of cylinder, 6 $\frac{1}{4}$ inches; train of gears on one side only, but driving from both wheels by means of a ratchet; cuts grass at a height of $\frac{1}{4}$ to $1\frac{1}{2}$ inches.

15-inch	\$22.00
17-inch	24.00
19-inch	27.00
21-inch	30.00

PHILADELPHIA LAWN MOWER

Style "K." Roller Bearing.

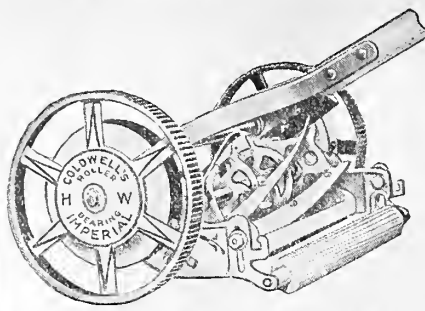
A very popular, general purpose lawn mower. 5-blade cylinder; 6 $\frac{1}{2}$ inches in diameter; 10-inch wheels; cuts grass at a height of $\frac{5}{8}$ to $1\frac{1}{2}$ inches.

14-inch	\$20.00
16-inch	22.00
18-inch	24.00
20-inch	26.00

DELTA LAWN MOWER

Ball Bearing, 4-blade cylinder, 8-inch diameter, Penna. make.

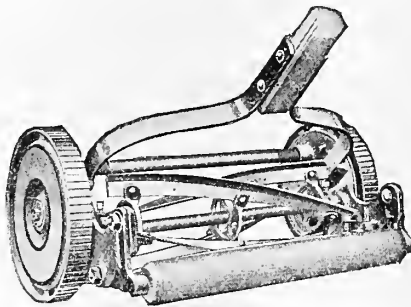
12-inch	\$11.00
14-inch	11.50
16-inch	12.00
18-inch	12.50



COLDWELL IMPERIAL ROLLER-BEARING HIGH WHEEL LAWN MOWER

The Coldwell line of mowers need no introduction for quality, service and reputation. Easy running, roller-bearing, four-blade cylinder, made to last and do fine work.

14-inch	\$17.50
16-inch	18.50
18-inch	19.50
20-inch	20.50

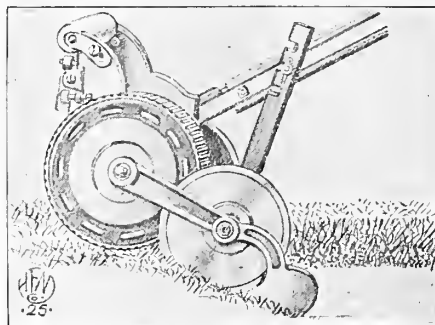


Jewel Lawn Mower

JEWEL LAWN MOWER

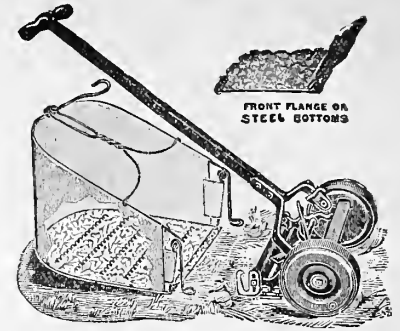
Made by the Coldwell L. M. Co., to meet the demands for a fairly good, low priced mower, where the size of the lawn does not justify a heavy outlay. High wheel, 4-blade cylinder.

12-inch	\$9.00
14-inch	9.50
16-inch	10.00



CAPITOL LAWN TRIMMER AND EDGER

This is the original lawn trimmer and edging device. The steel disc can be adjusted in a few seconds to convert it into a first-class edging device, while for trimming along borders and walks as well as against buildings, fences, etc., it will prove to be an excellent tool; cuts a swath 6 inches wide. Price, \$11.00.



Easy Emptying Grass Catcher

GRASS CATCHERS

Despite what is said to the contrary if you want a good looking lawn you should not allow the cut grass to remain upon it; there are two ways of accomplishing this, one is to rake it off "costly and tedious," the other is with the use of a grass catcher "simple and practical." The weight of the catcher loaded with grass is thrown on the machine proper so that it really adds very little to the labor involved in mowing.

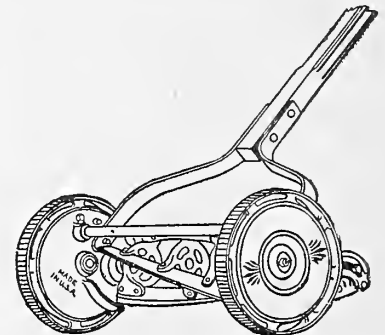
Easy Emptying. Short iron handle; round back; galvanized sheet steel bottom; heavy duck sides. No. G10, for mowers 12 to 16 inch, \$1.65 each (by P. P., \$1.85); No. G12, for mowers 18 to 22 inch, \$1.85 (by P. P., \$2.10).

Braun Make. Galvanized bottom, canvas back and sides. Will fit any of the Pennsylvania line of hand mowers.

12-inch	\$3.00	17-inch	\$3.75
14-inch	3.25	18-inch	3.75
15-inch	3.50	19-inch	4.00
16-inch	3.50	21-inch	4.25

Catchers for Penna. Golf and Putting Greens mowers, all sizes, 14 to 21-inch, \$8.00 each.

Catchers for Penna. Horse and Pony mowers. 25-inch for Pony mower, \$5.50; 30-inch, \$30.00, 38-inch, \$38.00.

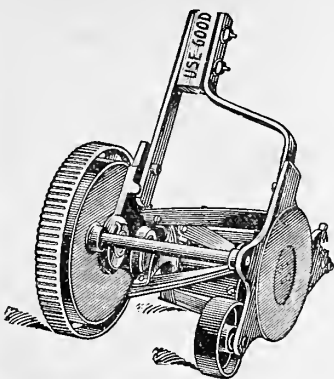


COLDWELL GEM MOWER AND TRIMMER

For terraces and steep embankments, where it is hard to use a regular lawn mower, or for small plots this machine will suit very well; made of first class material; cuts a swath 10 inches wide; ideal for a small child. Price, \$9.00.

PENNSYLVANIA LAWN TRIMMER

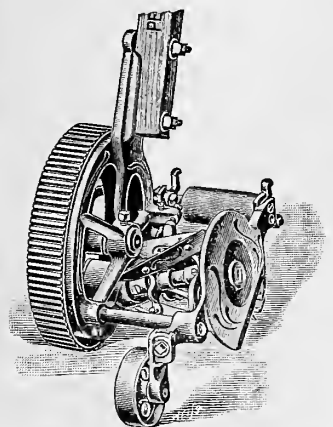
Made to meet the demand for a serviceable tool to take the place of grass shears and other devices for cutting the grass left at the edge of lawns or borders after mowing. This machine will cut to within $\frac{3}{8}$ of an inch of a wall or tree trunk, and mow any grass border wide enough to run one wheel on. The blades are of best crucible steel; it is ball bearing and self sharpening; built for long years of service, and so light a child can use it successfully; cuts a swath $5\frac{1}{2}$ inches wide; equipped with an 8-inch drive wheel and a four blade cylinder. Price, \$10.50.



Pennsylvania Regular Lawn Trimmer

PENNSYLVANIA UNDERCUT LAWN TRIMMER

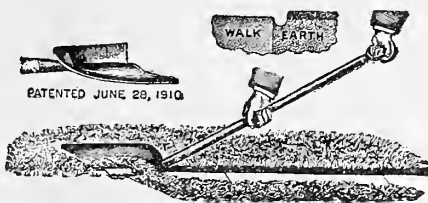
The unique construction of the undercut trimmer permits cutting not only close to a wall, fence, tree, etc., but it will get the grass under a fence or rock cut base of tomb stones, house foundations and other places hitherto out of reach of anything but hand shears. The slanting sideplate and conical cylinder make it possible to cut all grass which the regular lawn mower will not reach. Ball bearing, with $9\frac{1}{2}$ in. drive wheel; four blade cylinder. Price, \$12.00.



Pennsylvania Undercut Lawn Trimmer

No. 136, IMPERIAL LAWN EDGE TRIMMER

With this tool the rough straggling, overhanging grass along the edges of the walk can be trimmed in a few minutes. It plows a clean U-shaped trench, delivering the cutting on the side-walk. The edges along the curbing and walk of an eighty foot lot can be trimmed in twenty minutes, leaving the whole surroundings neat and attractive. Price, \$1.50 (by P. P., \$1.70.)



PATENTED JUNE 28, 1910



PLANET JR. No. 2, GRASS EDGER

A simple steel disc device, with a flange that runs on the cement path, to cut away the grass which hangs over the edge of the walk; this revolving disc operates very easily and does not cut away any of the soil which some people object to; can be used successfully on straight or curved cement paths. Price, \$1.80 (by P. P., \$2.00).

PENNSYLVANIA HORSE LAWN MOWERS

For many years regarded as the best made and they are still without a superior. The bottom and cylinder blades are made of the best crucible steel, tempered in oil. They are of easy draught and will be found more generally used than any other make of horse drawn lawn mowers. The standard machine is adapted to hilly, rolling lawns, while the Grand style being heavier in construction and weight is the ideal machine for level lawns and grounds; its use serves as a lawn roller as well as a mower. Where there are few trees and little shrubbery a mower equipped with seat and shafts will be found desirable, as a man will accomplish more if he can ride rather than walk.

4-blade Pennsylvania Standard or Regular Style cylinder

25-in. Pony, with wooden rear roller (draw bale only)	\$60.00
30-in., with draw bale only	105.00
30-in., with seat and shafts	125.00
38-in., with draw bale only	135.00
38-in., with seat and shafts	160.00

Pennsylvania Grand Horse Mower

30-inch cut, with draw bale	\$120.00
30-inch cut, with seat and shafts	140.00
38-inch cut, with draw bale	150.00
38-inch cut, with seat and shafts	175.00

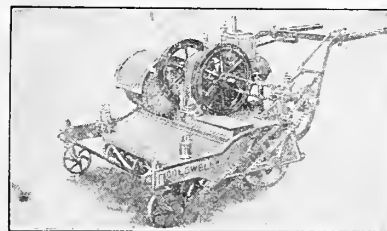
PENNSYLVANIA SUPER FAIRWAY MOWER

For Golf Courses, Parks and Large Estates

This Mower is built for tractor service, sturdy enough to withstand the strain of high speed operation and "hold the ground," without jumping or shaking. Operates with minimum power. Every moving part roller bearing—even the ground rollers. Lubrication system, Alemite. Quick and efficient. Bearings grit and dirt proof. Ready knife adjustment and roller adjustment for even cutting. All blades crucible tool steel, oil hardened and water tempered. Adjustable to cutting the rough to between three and four inches. Hardened steel, heat-treated gears running in oil tight case—lubrication but once or twice a season. *Two trains of gears on each unit.* Automatic disengaging clutch instantly throws cylinder out of gear when unit is raised. The mowers are interchangeable and will fit in any position. They can also be fitted to the push frames of other makes; special brackets furnished to attach.

Quint Model. 144 inch cut, complete	\$900.00
Trio Model. 86 inch cut, complete	550.00
Extra Mower units, 30 inch cut, each	150.00

COLDWELL MOTOR MOWERS



Type of Models G and H

Capable of propelling up grades as steep as 25 per cent. Model M. can be equipped with Coldwell's patented demountable cutting units. This device is an extra cutter part, composed of the revolving and stationary knives and the necessary parts to carry them.

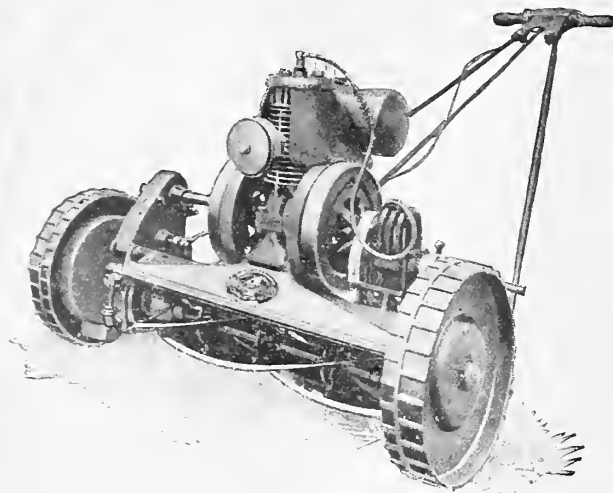
Model M. 40-inch cutting area. F. o. b. Newburgh, N. Y.	\$1500.00
Model G. 35-inch cutting area. F. o. b. Newburgh, N. Y.	475.00
Model H. 30-inch cutting area. F. o. b. Newburgh, N. Y.	425.00
Model L. 25-inch cutting area. F. o. b. Newburgh, N. Y.	350.00

COLDWELL HORSE MOWERS

30-in., seat and shafts	\$130.00
35-in., seat and shafts	\$150.00

All 4-blade cylinders; 6-blade cylinders, \$15.00 extra.

4-ACRE POWER HEAVY DUTY LAWN MOWER



4-acre Power Lawn Mower

A single trip with a 4-Acre Mower across any lawn will tell the story of balanced mechanical strength, ease of operation, steady power generation, economy, and a difficult hand job quickly and easily done by a wonderfully built machine.

The mechanical specifications: The special built motor with magneto ignition, enclosed transmission gears running in oil bath, separate clutch controls for cutting unit and traction wheels, differential gears to equalize power on wheels while turning and special sharpening device for cutting unit are special features of this mower.

The Mowers are equipped with the same standard Jacobsen Motor which has proven highly satisfactory for this kind of work under all altitudes and climatic conditions. This motor was especially designed for the 4-Acre Mower by engineers having long years of experience in the design and manufacture of small power units. Nothing has been overlooked to make this mower the most durable, simple, and practical motor on the market. All small parts such as cams, cam levers, push rods, rollers, etc., that ordinarily get out of order or wear out have been eliminated.

The Jacobsen Motor has many distinctive advantages. The Crank Shaft Bearings have packing diaphragms to prevent leakage of Crank Case compression—a feature found only on larger and expensive motor units. The high tension magneto provides dependable ignition. The motor also has a regular float type carburetor and many other features not ordinarily found on motors of this size.

The Efficient Air Cooling System on this motor is another important feature. The two heavy fly wheels are provided with fan blades on their inner sides which force the cool air thru the large fins cast on the cylinder and cylinder head.

Carburetor is specially designed for this motor and supplies the right kind of mixture. When once set according to simple directions, it requires no more attention. A hand throttle controls the speed of the motor from the steering grip.

Fuel Tank is mounted directly on top of the carburetor, eliminating all troublesome pipes and small connections generally found on gasoline feeds.

Piston is of the finest grade of gray iron; is turned and ground accurately to within one ten-thousandth of an inch.

Connecting Rod Bearing is a special bearing metal developed by the government and is used in the connecting rod. This metal will not burn out or score the crank pin should it fail to receive lubrication.

Crank Shaft Bearings are $2\frac{3}{4}$ inches long and made of high grade phosphor bronze such as used in all high grade motors.

Crank Shaft drop forged, made of special alloy steel, heat treated, accurately machined and ground within one thousandth of an inch.

Transmission Gears and Clutches are inclosed in an oil tight housing and run in a bath of oil. These gears are machine cut and to insure long life are large in diameter and have a wide face.

In crossing walks, curbing and roadways, mower travels on own power without revolving cutting unit.

Differential automobile type, as shown in illustration, equalizes the power on both traction wheels when turning. Power is retained on both wheels whenever the traction clutch is engaged, allowing easy steering without separate clutches or controls for each wheel.

Cutting Units. The finest crucible steel is used for the blades, the shaft is extra heavy; each unit is perfectly balanced and tested before being assembled in the mower.

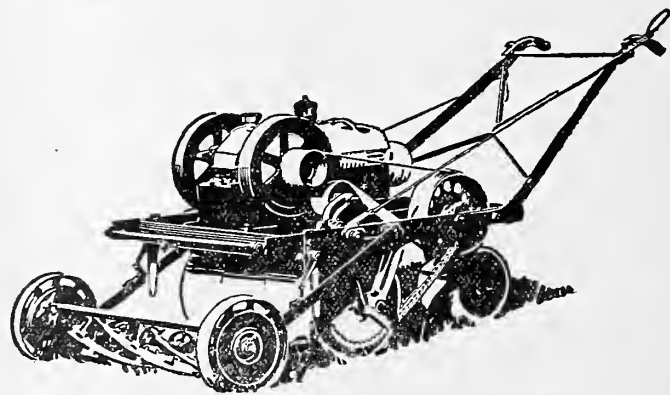
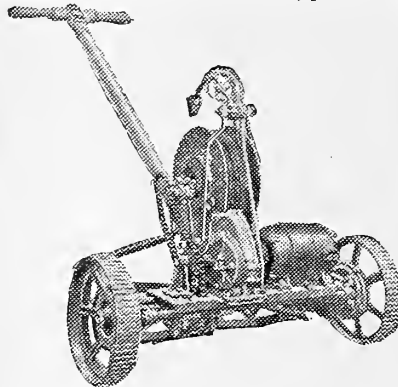
Reel Bearings are thoroughly lubricated, one from the gear housing, and the other by a special oiler located in plain sight on left hand frame. Felt dust washers prevent dust and dirt from getting into the bearings.

No. 1. Heavy Duty. Cuts 24 inches wide; net weight, 200 lbs., crated, 250 lbs. Price, f. o. b. Phila., Pa., \$290.00. Grass Catcher, \$6.00 extra.

Junior Power Mower. Cuts 19 inches wide; net weight, 170 lbs., crated, 200 lbs. Price, f. o. b., Phila., Pa., \$210.00. Grass Catcher, \$4.00 extra.

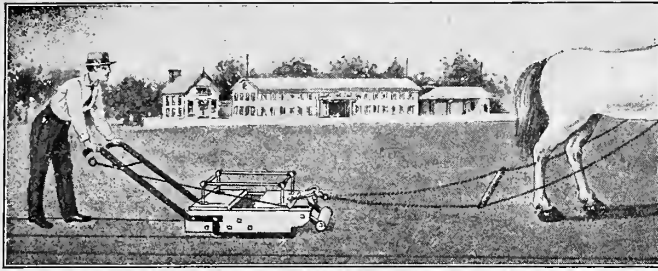
COLDWELL ELECTRIC LAWN MOWER

As easy to operate as a vacuum cleaner; attach plug to any light socket or electric outlet, push the control button on the handle and the mower starts right in cutting. The supply cable is carried on a reel and takes up automatically. The General Electric Motor, operating at 110 volts, provides an abundance of power to operate it; 5 tempered crucible steel blades; width of cut 21 inches; equipped with 150 feet supply cable on reel, drop cord and anchor pin. Net weight, 157 lbs. Price, \$242.50 f. o. b. Phila., Pa. Grass Catchers for above, \$5.00.



IDEAL MOTOR LAWN MOWER

The motor driven lawn mower is rapidly displacing the horse drawn machine on many large estates. Its advantages are readily obvious, chief among which are that when it is not working it costs nothing beyond the interest in the investment. A motor mower will cut about four times as much grass with the same size mower as will the horse machine; it leaves no hoof tracks, and keeps the lawn well rolled at the same time as cutting. The Ideal Motor Lawn Mower is equipped with the very latest devices, which render it almost fool proof. It comes in three sizes and may be purchased with or without a riding attachment. The company manufacturing these is very strong in every respect and from our own selling experience covering a period of five years, we have not had one dissatisfied customer. We shall be pleased to send complete detailed literature. Prices f. o. b. Philadelphia. 22-in. cut, \$260.00 (without riding attachment); 30-in. cut, \$385.00 (without riding attachment). Riding attachment for 30-inch machine only, \$20.00 extra.



CHAMPION SOD CUTTER

One man and a horse with this machine can cut more and better sod in one hour than 10 men can cut in a day with other methods. Has a **Reversible Knife**. The sides and bottom are made of one piece of steel, so that there are no openings that can get choked. A roller just over the knife regulates the thickness of the sod from 1 to 2 inches. The back roller works automatically. By holding up the handles and lever, the roller swings under the machine and takes the weight until you are ready to cut again; in cutting, the two rollers take the weight, thus preventing any friction or injury to the grass; the clearer and guide shoes are reversible and can be changed in a moment; the back is left open so that the knife can be cleaned without turning over the machine. Cut the first strip of sod without guide or clearer; then remove the strip about 1 inch to allow guide to run in. Put guide always in front and clearer behind knife where the loose bolts are. Place the guide and clearer always on opposite sides. See that the knife is kept clean; if the sod is very dry, put extra weights on to 200 lbs. For quick work it is not necessary to use guide and clearer; for good work cut and roll the ground well. This is the only sod cutter that will cut both ways; a whole field may be cut without removing any sod. Price, \$52.50. Extra knives for above \$10.00 (by P. P., \$10.75).

GERMAIN AUTOMATIC LAWN WEEDER

This weeder will pick out all weeds that a lawn may be infested with. Grasp the handle firmly, put point of weeder against weed, place foot against the foot rest, pull handle towards you, using foot as a pivot and the weeder will automatically pick the weed out. Nothing to get out of order. Price, \$1.75 each.

ERADO WEED GUN

As handy as a cane, which it resembles. Fill the reservoir, which holds about 2 quarts of liquid, with some weed-destroying preparation diluted and used for destroying weeds of all kinds in lawns without hurting the grass. Press the sharp point of the gun into the heart of the weed until the flat stay pieces touch the ground, when a quantity sufficient to kill is discharged into the heart of the plant which is destroyed for all time. Galvanized iron. Price, \$1.75 (by P. P., \$1.90).



Germain Weeder



Erado Gun

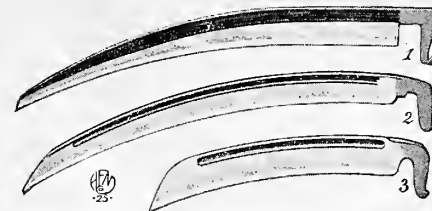


Flat File

FLAT FILES

For sharpening lawn mowers.

	Each
8-inch.....	\$0.35
10-inch.....	.40
12-inch.....	.55



Key to illustration: No. 1, English; No. 2, American; No. 3, Little Giant Brush.

SCYTHES

Little Giant, 32-inch.....	\$2.00
Little Giant, 34-inch.....	2.00
Little Giant, 36-inch.....	2.00
Little Giant Brush or Briar.....	2.25

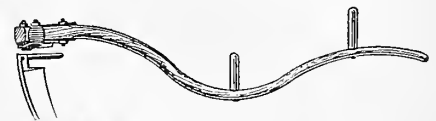
The Little Giant is the best American-made scythe for field and heavy grass work.

English, 32-in., rivet back.....	\$3.00
English, 34-in., rivet back.....	3.25
English, 36-in., rivet back.....	3.50

The English Scythes are best for fine grass or lawn work.



Snath Clip



SCYTHE HANDLES

No. 50. Made of hard wood, well finished.

Regular Scythe style (Not mailable).....	\$2.00
Snath Clips.....	.25

SCYTHE STONES

	Each	Doz.
Sir Pike (Talacre Style).....	\$0.30	\$3.25
Darby Creek.....	.25	2.75
Carborundum. Very fine.....	.35	3.75

If Scythe Stones are wanted by parcel post, add 10c. each for postage.

SICKLES OR GRASS HOOKS

English Rivet Back, No. 2.....	\$1.15
English Rivet Back, No. 3.....	1.25
English Solid Back, No. 2.....	.75
Little Giant.....	.70
Dutch or German, No. 2.....	.55

If wanted by parcel post, add 20c. each for postage.

EMERY

For sharpening Lawn Mowers. Price, 20c. per lb. (by P. P., 30c.); 10 lbs., \$1.90 (by P. P., \$2.20).

LAWN MOWER OIL



Pure oil that will not gum or get sticky is an essential for the satisfactory operation of every mower. The oil sold by us has been selected with this point in view.

Prices: Per pint, 25c.; 35c. per quart; per 1/2 gal., 65c.; \$1.10 per gal.; 5 gals., \$4.25.

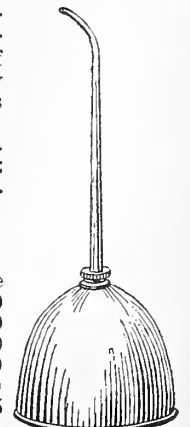
Lawn Mower Oil cannot be mailed

GEM OIL CANS

Finished, Brazed Steel

No.	Capacity	Spout	Price
No. 13A.	1/2 pt.	4 1/2 in. straight, coppered	\$0.20
No. 1706.	8-oz.	6-in. bent.....	.60
No. 1706.	8-oz.	6-in. straight.....	.60
No. C14AA.	8-oz.	5-in. straight, coppered	.30
No. 1606.	1/2 pt.	6-in. bent, steel.....	.50
No. 1606B.	1/2 pt.	6-in. bent, brass.....	.75

If Oil Cans are wanted by P. P. add 5c. each.



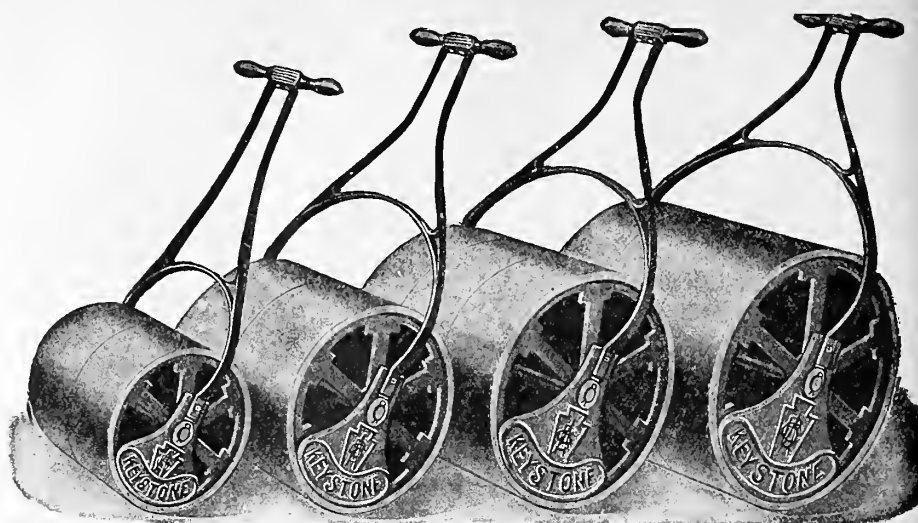
MICHELL'S LAWN ROLLERS, ETC.

It is very essential to roll the lawn when the frost is permanently out of the ground, and again several times during the season. A first class roller will prove a good investment, as it will last almost a lifetime, especially if it is put under cover when not in use.

KEYSTONE HAND LAWN ROLLERS

Drums are equipped with five spokes; the face is ground smooth and carefully finished. The steel roller bearings are mechanically constructed making the roller operate so easily a child can handle it. The handle is made of steel and hard wood; is equipped with a balance weight, so that it is always in an upright position. The drum or roller part has a bevel edge so that it cannot tear up the lawn or ground when being turned.

No.	Diam. In.	Length Width In.	No. of Sects.	Lbs. Wgt.	Price
501	15	15	2	175	\$20.00
502	15	22	3	250	24.00
504	20	20	2	250	26.00
507	20	24	2	300	32.00
508	20	30	3	350	38.00
509	24	20	2	400	42.00
511	24	24	3	450	46.00
512	24	30	3	500	52.00
514	28	24	3	500	52.00



Keystone Hand Lawn Rollers

Garden and Lawn Tools

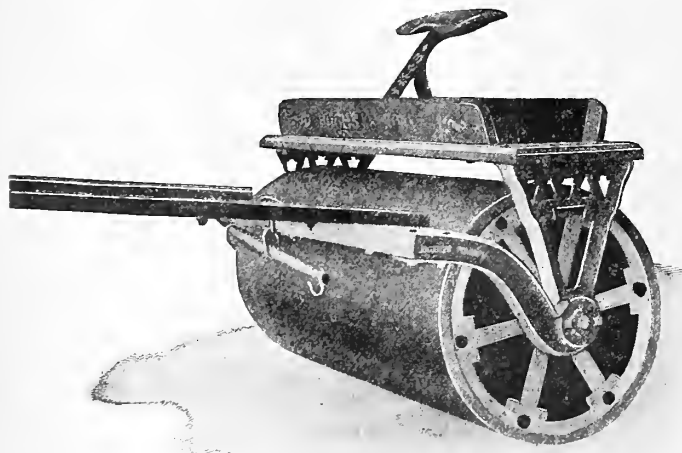
Our house makes a specialty of these, and carries probably the largest assortment in practical styles to be found anywhere; the quality is only the very best obtainable and we can readily say our garden and lawn tools give splendid service.

KEYSTONE WATER-BALLAST ROLLERS

Fill it with water, which will weight it up to any number of pounds desired, as shown below. The same roller can thus be used for soft turf, firm lawns, or for rolling the driveway and tennis court. Equipped with a device for keeping handles stationary. Ball axle bearings.



Keystone Water Ballast Roller



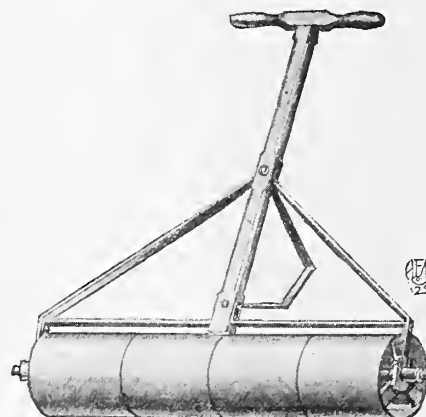
Keystone Horse Roller

KEYSTONE GOLF GROUND AND LAWN HORSE ROLLERS

Made of cast iron carefully finished with beveled edge drums; equipped with shafts for one horse; all sizes are equipped with weight boxes to permit the roller being made to weigh heavier than it is when factory finished.

No.	Diam. Inches	Length Inches	Sections	Weight Lbs.	Price
341	24	40	4	800	\$ 93.20
342	24	50	5	950	109.20
344	28	40	4	1000	117.60
345	28	50	5	1200	137.20

Shipment of Horse Rollers is made from factory in Penna. We can also supply heavier rollers for land and golf ground use.

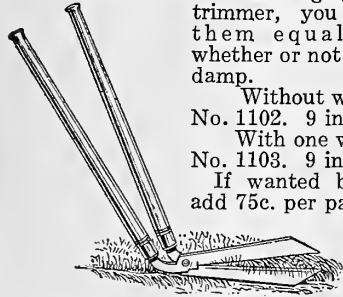


PUTTING GREENS ROLLER

Greens-keepers have found that a roller about 4 feet wide, weighing about 160 pounds, is right; evenly surfaced; will not leave a mark or ridge on the greens. Made of cast steel in 4 sections. \$30.00.

LAWN BORDER SHEARS

Made of finest American steel. They take the place of edging knives and avoid the necessity of doing much stooping. At the same time while making an attractive finish to the grass edge of a walk or driveway, they cut the grass only, leaving the soil intact; in some respects this is desirable. The shear without wheel works equally as well as the one equipped with wheel, this feature is an item of individual preference only. There is one advantage possessed by this type of shear over the edging knife or trimmer, you can use them equally well whether or not the soil is damp.



Without wheel.
No. 1102. 9 inch. \$3.75
With one wheel.
No. 1103. 9 inch. 4.50
If wanted by P. P.,
add 75c. per pair.

LAWN BORDER SHEARS

For trimming under shrubbery, fences and other out-of-the-way places. The two wheels permit the shears to move over the ground freely, backward and forward.



No. 1104, 9-in. blade, long handle, \$4.50. (By P. P., \$5.00).
Handles for Border Shears, \$1.00 per pair.

IDEAL DANDELION EXTRACTOR

This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade is of the best steel, equipped with a convenient handle, so that either man, woman or child can use it. 50c. each. (By P. P., 60c.)

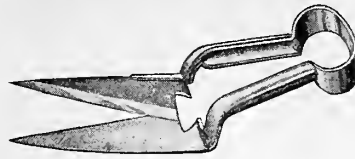


EDGING KNIVES

For trimming edges of paths, etc. No other implement will put a finish to a grass border, a walk or drive edged with sod like an edging knife; on straight work, it is well to use a garden line so as to make a first-class job, as nothing in the line of gardening looks so badly as edging in a crooked line. See illustration opposite.

*Mehler Edging Tool, with handle. \$1.50
*No. 040. American, with handle. 1.40
No. 3863. English, 9 inch, no handle. 2.00

Mehler and American Knives are not mailable. English knife without handle can be mailed at 10c. for P. P. Handles can be furnished at 25c. each extra.

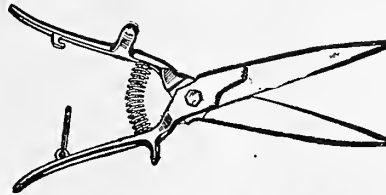


GRASS SHEARS

Do not buy a cheap grass shear, they do not last long, nor do they keep a sharp edge, which is an essential in trimming grass; our list comprises the best makes.

If wanted by parcel post, add 10c. each for postage.

No.	Each
26. 6-inch, American.....	\$0.50
012. 6-inch, American.....	1.25
114. 7-inch, English, trowel shank handle.....	2.75
113. 7-inch, English, straight handle	2.25
0267. 6-inch, American.....	1.00
0267. 7-inch, American.....	1.15



GRASSNIPPER

No. 4. Cuts grass easier than an ordinary shear; built like hair cutters; blades forged steel. Price, \$1.25 (by parcel post, \$1.35).

TURF OR SOD LIFTERS

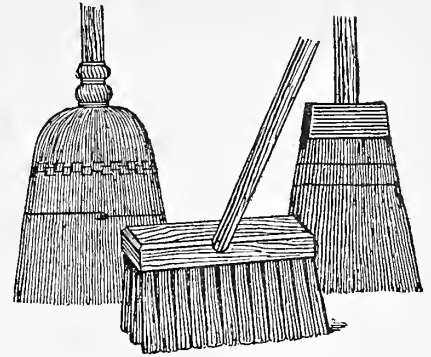
At times, it is more desirable to sod a bare or worn out spot on the lawn or grass plot than to sow it with grass seed. Our sod lifters are made of the best steel and will last a long time.



American. Steel blade, with an 18-inch steel shank and wood D handle. Price \$2.25 each (by P. P., \$2.50).



English. No. 275. Price, \$6.50 each. (Not mailable).



Plain Corn Rattan Push Jap. Fibre

BROOMS AND BRUSHES

For sweeping paths, gutters, roads, etc.; all with handles.

BROOMS

No. 230. Japanese Fibre.....	\$1.50
No. 8. Corn and Rattan mixed.....	1.00
Golf Greens (Birch).....	.30
No. 7. Plain Corn, extra quality.....	1.00

ROAD BRUSHES

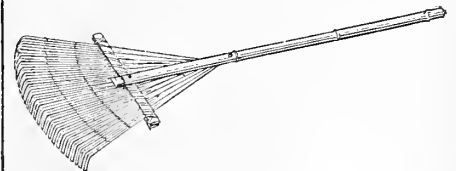
No. 271. Rattan Push, 14-inch.....	\$1.25
No. 0286. Bass or Cocoa Push, 14-inch	1.40



HUDSON DANDELION or WORM CAST RAKE

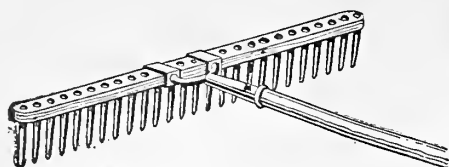
When pulled across the lawn, the stems, leaves and blossoms of the dandelions are wedged between its teeth and easily pulled out. It is self cleaning, a single backward stroke clears the rake. Also valuable for cleaning worm casts and other litter from putting greens and other fine turf playing surfaces. Curved so as to roll the rubbish before it.

16-inch. . . \$1.25 each | 20-inch. \$1.50 each



JAPANESE BROOM RAKE

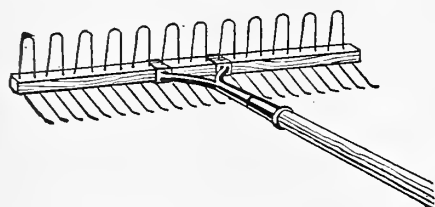
An ingenious device for cleaning the debris out of a lawn or grass plot, leaving it as free from refuse as though swept with a broom. In fact to get the best results it should be used with the motion of a broom. Made of split bamboo, rigidly secured, with a suitable length handle. Just the thing for cleaning grass clippings from walks, flower beds, borders and from the lawn. Price, 90c.



OLE OLSEN LAWN RAKE

Made of best hard wood, well braced; teeth set close together.

26-tooth, hickory wood. Price, \$1.00.

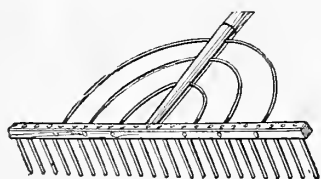


WIRE LAWN OR GRASS RAKE

Made of heavy tinned steel wire. The rake is reversible. These are excellent for lawn or walk work.

No.	Tooth	No.	Tooth
124R...	24....\$0.80	36LR...	36....\$1.50

No. 342H—42-tooth, very close for cleaning off putting greens, \$1.50.



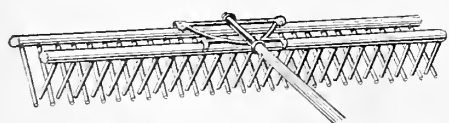
Ames, No. 37X Rake

WOODEN RAKES

Ames, No. 37X. 24-tooth, steel bows. \$1.50

Ames, No. 30X. 14-tooth, hard wood. 1.15

Wire Braced. 20-tooth, lawn..... .70

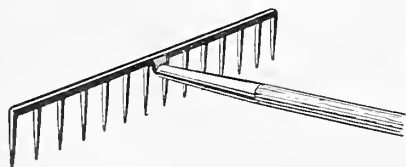


AUTOMATIC LAWN RAKE

A backward motion of the operator clears all the teeth at once.

Wood, 26-tooth.....\$1.50

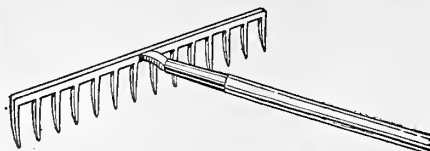
Wood, 38-tooth..... 2.00



STEEL GARDEN RAKES

Made of best cast steel, with long teeth.

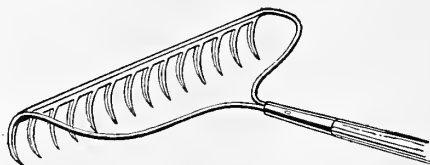
No.	Tooth	No.	Tooth
6.....	6....\$0.80	14.....	14....\$1.05
8.....	8.... .90	16.....	16.... 1.10
10.....	10.... .95	18.....	18.... 1.15
12.....	12.... 1.00		



STEEL GRAVEL RAKES

These rakes are used for road making and for paths; having short teeth they do not gather up stones or gravel

No.	Tooth	No.	Tooth
G12....	12....\$1.10	G16....	16....\$1.40
G14....	14.... 1.20	G18....	18.... 1.45
G20....	20-tooth.....\$1.55		



STEEL BOW RAKES

Preferred by many to the regular garden rake, the teeth being slightly bent toward the operator.

No.	Tooth	No.	Tooth
B12....	12....\$1.15	B14....	14....\$1.25
B16....	16-tooth.....\$1.35		

MICHELL'S EXCELSIOR STEEL GARDEN RAKE

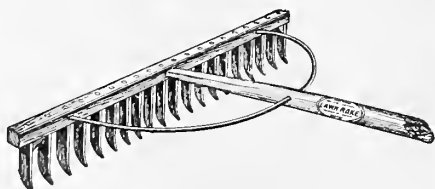
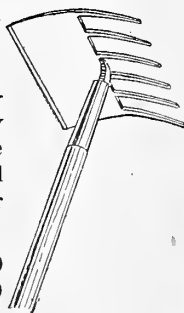
Nicely balanced; 16-tooth, only. Price, 75c.

HOE AND RAKE (Combined)

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

No. 4P. 4-prong. \$1.10

No. 6P. 6-prong. 1.20



MICHELL ALL WOOD LAWN RAKE

Substantially built of hardwood, but light in weight; the special shaped teeth make it easy to get the loose grass without digging out the grass roots; excellent for raking leaves.

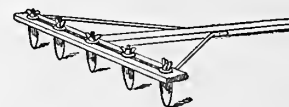
No. 122—22-tooth.....\$1.25

No. 126—26-tooth..... 1.50

DOCK LIFTER

For field and farm use; will uproot the deepest seated weed or dock; has tremendous leverage. Made of wrought iron and oak wood; no wear out to it. Price, \$4.25.

(Not Mailable.)



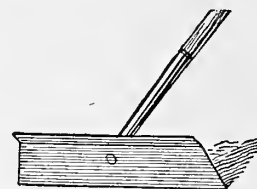
Marking Rake

MARKING RAKE

Has a spread of 4½ ft.; equipped with five adjustable brass teeth; no better method of row marking can be employed; suited for setting plants or sowing seed. The frame and handle are oak; no wear out to it. Price, \$6.50.

(Not Mailable.)

Extra Teeth for same. Price, 75c. (by parcel post, 85c.).



MEHLER HANDY SCRAPER

This was originally designed as a dropping-board scraper in poultry and pigeon houses. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. Price, \$1.00.

MEHLER HANDY HOE

This will do what any half-moon and square hoe will accomplish. It has a wide side and a narrow side, while another part of it will answer as a rake to pulverize the soil. Price, \$1.25.

Please note.—Mehler Garden Tools cannot be sent by Parcel Post.



MEHLER GARDENER

An entirely distinct tool. Avoids bending the back. Works closer to the plant than any other device. No hoe is needed where this is used. Just the thing for working among flowers and vegetable plants. \$1.25 each.



SQUARE HOES

No. G06.	6-inch, solid shank.....	\$1.15
No. G07.	7-inch, solid shank.....	1.20
No. G08.	8-inch, solid shank.....	1.20
No. 10.	10-inch, for celery.....	1.75
No. K14½.	14-inch, for celery.....	2.00

MICHELL'S SPECIAL SQUARE HOE

6-inch only; solid shank; 4½-foot handle. Price, 75c.



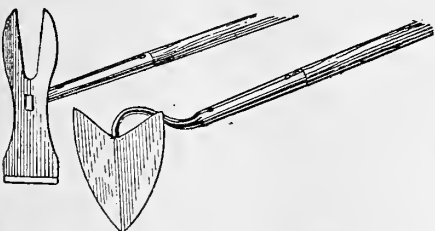
HALF MOON HOES

Best steel, solid sockets, which will not pull out.

No. HM3.	3-inch.....	\$0.95
No. HM4.	4-inch.....	1.00
No. HM5.	5-inch.....	1.10
No. HM6.	6-inch.....	1.15
No. HM7.	7-inch.....	1.20
No. HM8.	8-inch.....	1.20

TWO-PRONG ONION HOE

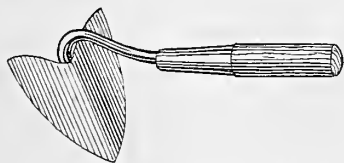
Will be found very valuable in weeding in narrow rows. (See cut below.)
No. 2P. Price.....\$0.50



WARREN HOES

Excellent tools for making drills preparatory to sowing of seed. The backs can be used for covering. (See cut above.)

No. W7.	7-inch.....	\$1.30
No. W8.	8-inch.....	1.45



BABY WARREN HOE

No. BW4½. Short Handle, 65c. (by P. P., 75c.).



SPECIAL STEEL WEEDING HOE

No. 3W. Short Handle, 60c. (by P. P., 70c.).

SCUFFLE HOES



Made of best steel.	
5-inch.....	\$0.80
6-inch.....	.90
7-inch.....	1.00
8-inch.....	1.00
10-inch.....	1.10
Handles for Scuffle Hoes, 25c. each, extra.	



MICHELL'S FIELD HOE

For digging up stubble, small stumps, small plots of ground for planting purposes, etc.

No. G. C. 40.	5½-inch blade, each...	\$0.90
No. I. G. 7.	7-inch blade, extra heavy, each.....	1.75



SHOVELS

Long Handle

Ames, round point.....	\$2.50
Maynard, round point.....	2.50
Maynard, square point.....	2.50
Victor, round point.....	1.50
Victor, square point.....	1.50

Short Handle

Ames, round point.....	\$2.50
Ames, square point.....	2.50
Maynard, round point.....	2.50
Maynard, square point.....	2.50
Victor, round point.....	1.50
Victor, square point.....	1.50



STEEL SCOOP SHOVELS

Strapped shanks, wood D or short handles.		
No. 1.	9 -inch mouth.....	\$1.60
No. 2.	10 -inch mouth.....	1.60
No. 3.	11 -inch mouth.....	1.70
No. 4.	11½-inch mouth.....	1.75
No. 5.	12 -inch mouth.....	1.90
No. 6.	13 -inch mouth.....	2.00



STEEL SPADES

Ames, short handle.....	\$2.50
Maynard, short handle.....	2.50
Nursery (Pfeiffers), short handle.....	3.00
Pennsylvania, short handle.....	1.75
Boys'.....	1.60



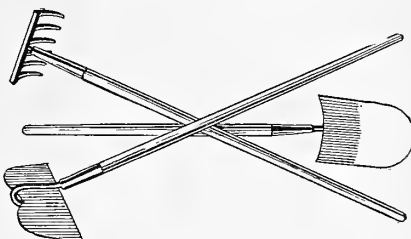
WIRE SCOOP SHOVEL

For handling potatoes, turnips and root crops without bruising or cutting. Made of heavy steel wire.....\$3.00



SNOW SHOVELS

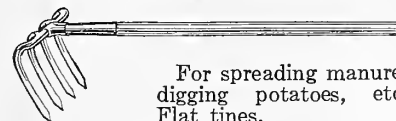
Adams, wood, D handles.....	\$1.25
Phillips, wood, long handle.....	1.00
Owosso, galvanized, 16-inches wide (see cut).....	1.50



GARDEN TOOL SET

For ladies and children, in fact they are suitable for the country gentleman, consisting of 1 hoe, 1 rake and 1 spade, No. 3PF. Large size, per set, \$2.00.

MANURE DRAGS



For spreading manure, digging potatoes, etc. Flat tines.

No. 4BHFM, 4 tine.....	\$1.40
No. 6BOH, 6 tine.....	1.75

IMPLEMENT HANDLES

Axe.....	Each \$0.65
Spade, plain.....	.75
Fork, Spading, plain.....	.75
Fork, Manure, plain, short.....	.75
Fork, Manure, plain, long.....	.75
Shovel and Spade, short, plain.....	.75
Hoe, plain.....	.25
Rake, plain.....	.25
Pick or Mattock.....	.75
12-foot Poles.....	\$2.75 | 14-foot Poles..\$3.00

**SPADING FORKS**

Strapped shanks, short or D-wood handle. Made of best quality steel.

No. OHW. Men's 4 tine.....\$2.00
No. O5HW. Men's 5-tine.....2.25
No. B4D. Boys' or Ladies' 4-tine... 1.00

MICHELL'S SPECIAL SPADING FORK

4-tine; nicely finished, with D bachelor handle, medium weight, Price, \$1.25.

**ENGLISH DIGGING FORK, No. ED4**

Though made in America, it is made exactly after the pattern of garden forks such as are made and used in England. The prongs are solid steel, with square instead of round edges, which adapts it especially for digging in heavy soil, in which it works with ease. Every gardener should add one of these to his collection of tools, as we know it will give him splendid satisfaction. 4-tine, \$2.75 each.

**MANURE FORKS**

Strapped Shanks.

04W—4 tine, light, short handle....\$2.25
163 —4 tine, heavy, short handle.... 2.50
05W—5 tine, medium, short handle.. 2.25
06W—6 tine, medium, short handle.. 2.50
044½—4 tine, long handle..... 1.65
054½—5 tine, long handle..... 2.00

MICHELL'S SPECIAL MANURE FORK

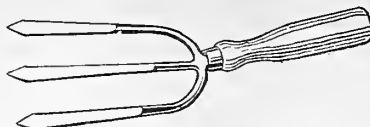
No. 04D2; 4-tine, strap ferrule, iron D handle. Price, \$1.25.

**EXCELSIOR WEEDING FORK**

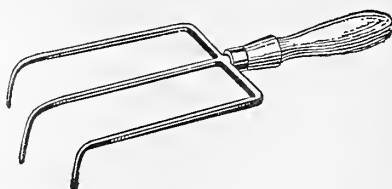
No. 300. Made of malleable steel, finished in tin, 12c. (by parcel post, 20c.).

**EXCELSIOR WEEDER**

Made of malleable iron, finished in tin, 12c. (by parcel post, 20c.).

**EUREKA WEEDING FORK**

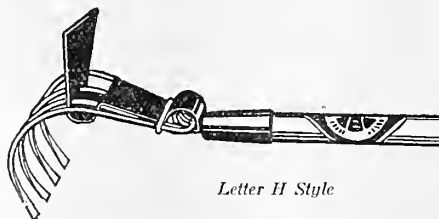
Letter G. Made of best flexible steel; splendid for loosening soil in the garden, in hotbeds, etc., 50c. (by parcel post, 60c.).

**EUREKA WEEDER No. 6**

Letter E. Made of flexible steel; very light, an ideal tool for market gardeners, florists and amateurs, 50c. (by parcel post, 60c.).

**HAZELTINE WEEDER**

No. BW1, 35c. (by parcel post, 45c.).



Letter H Style

MAGIC WEEDER

Made of heavy galvanized flexible wire with flattened prongs or ends.

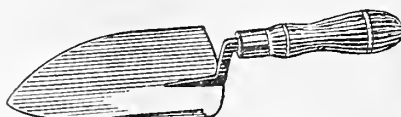
Letter A. Short Handle, Small.....\$0.20 (by parcel post, 30c.).

Letter B. Short Handle, Medium..... .30

Letter H. Long Handle, Large..... 1.25

**TRANSPLANTING TROWEL**

Steel shank and blade. 75c. (by parcel post, 85c.).

**JOHNSON STEEL TROWELS, No. 211**

These are made of one piece steel blade and shank, equal to the imported trowels.

5-inch.....\$0.70 | 7-inch..... \$0.80
6-inch..... .75

If wanted by parcel post add 10c. each for postage.

**D. S. T. STEEL SHANK TROWEL**

These are somewhat long in blade and handle, making a very practical tool. 6-inch blade, 85c. each (by parcel post, 95c.).

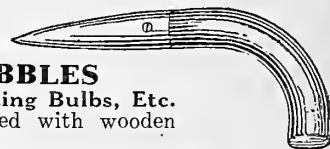
**CLEVES' ANGLE TROWEL No. 217**

For getting dandelion, plainein and other weeds out of the lawn, and transplanting.

	Each	P. Post	Each
5-inch.....	\$0.20		\$0.30
6-inch.....	.25		.35
7-inch.....	.30		.40

MISCELLANEOUS TROWELS

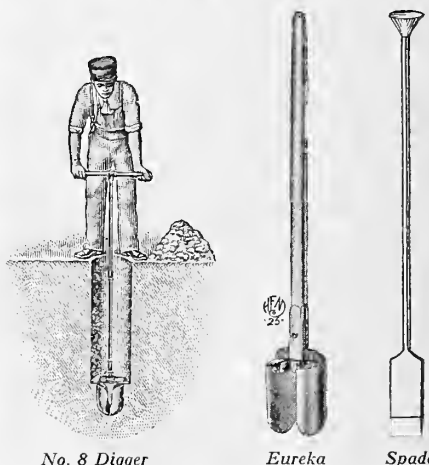
	Each	By P. Post
No. 213—5-inch.....	\$0.20	\$0.30
No. 213—6-inch.....	.25	.35
No. 0. Neverbreak—6-inch, heavy steel.....	.20	.30

**DIBBLES**

For Planting Bulbs, Etc. Equipped with wooden handles.

No. 2180. Brass point, \$1.00 (by parcel post, \$1.10).

No. 218. Iron point, 85c. (by parcel post, 95c.).

POSTHOLE DIGGERS

No. 8 Digger

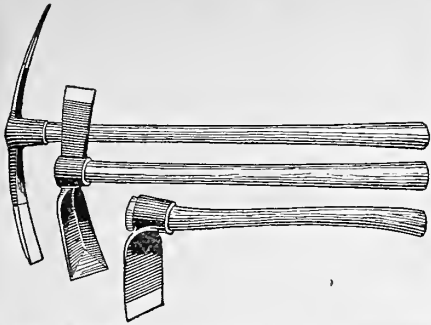
Eureka

Spade

No. 8. This bores a hole 3½ ft. deep and can be adjusted in diameter from 8 to 14 inches, \$5.75.

No. 15. Eureka, \$2.50.

Post Hole Spade. All steel with tamper end, \$2.50.

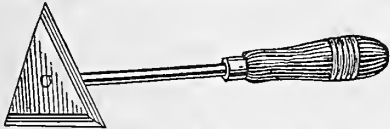


PICKS (Price includes handle)
All steel, double point, \$1.50.

MATTOCKS

(Price includes Handle)

Axe pointed.....\$1.75
Pick pointed.....1.50
Half Mattocks or Grub Hoes.....1.50



TREE SCRAPER

For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. No. 5, short handle, 65c. (by P. P., 75c.); No. 1, 3 foot handle; extra heavy, \$1.25.

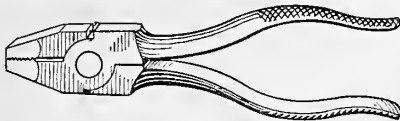
TREE OR BARK BRUSHES

For brushing down trees for removing insects, borers, etc. Made of steel. Price, 8½-inch, 40c. (by P. P., 50c.).



MONKEY WRENCHES

For machinery. Made of first quality hard steel; 8-inch, 65c. (by P. P., 80c.); 10-inch, 80c. (by P. P., 95c.).



STEEL PLIERS

No. 133. Side cutting, 6-inch.....\$1.00
No. 133. Side cutting, 7-inch.....1.10

By P.P. Each Each

1.20



AXES

Plumb Make, medium, man's size, made of best quality steel, \$2.75 (by P. P., \$3.00).



STEEL HAMMERS

No. 011½ Pexto, 90c. (by P. P., \$1.00).



HATCHETS

Made of the best quality tool steel, that will keep an edge.
Plumb, \$1.15 (by P. P., \$1.30).



PEXTO SCREW DRIVERS

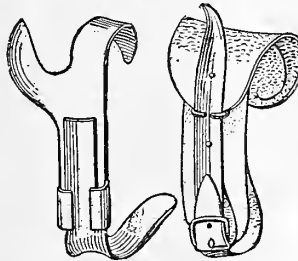
4-in. blade....\$0.50 | 6-in. blade....\$0.65
5-in. blade.... .60 | 7-in. blade.... .75
10-in. blade.....\$1.00

If wanted by Parcel Post add 10c. each for postage.

HUSKING PINS

No. 15. Universal. All metal; adjustable to any size hand, 20c. (By P. P., 25c.).

No. 16. Combination; leather and metal, 20c. (by P. P., 25c.).



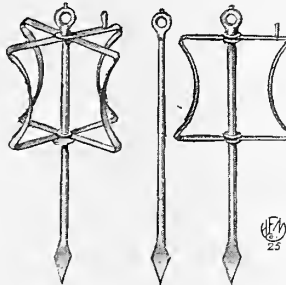
No. 15

No. 16



CORN KNIFE

Little Giant. Made of high grade steel, oil tempered; polished on one side; tang extends through oval wood handle. Price, 60c. (by P. P., 75c.).

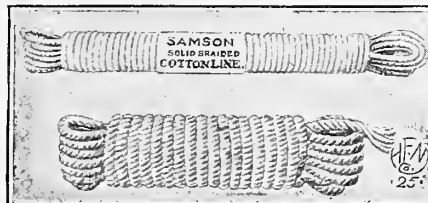


Double

Single

GARDEN REELS

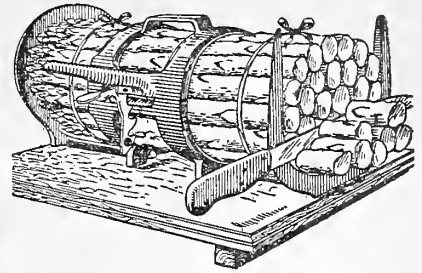
Small, Single, \$1.25 (by P. P., \$1.45).
Med., Single, \$2.10 (by P. P., \$2.25).
Large, Double, \$4.50 (by P. P., \$4.75).
Large, Single, \$3.75 (by P. P., \$4.00).



GARDEN LINE

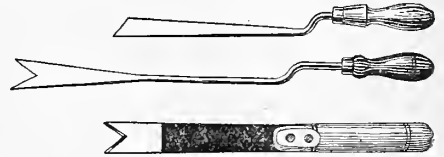
Best quality white cotton braid woven closely.

100 ft. hanks.....\$1.25
Plow Line Cotton, 45-ft. hanks .65



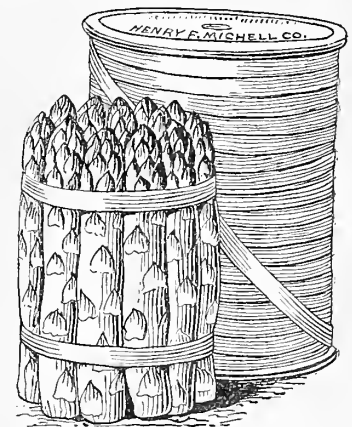
ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market, it pays to use a buncher. It is tied quickly and looks uniform. Price, with knife guard, \$4.75 (by P. P., \$5.00).



ASPARAGUS KNIVES

By P.P. Each Each
No. 1 (top illustration).....\$0.50 \$0.60
No. 3L (center illustration).... .55 .65
No. 2311 (bottom illustration). .45 .55



ASPARAGUS TAPE

In fast colors, green and red, glazed finish. 1000-yard spools, \$5.25 (by P. P., \$5.40).

SUN DIALS

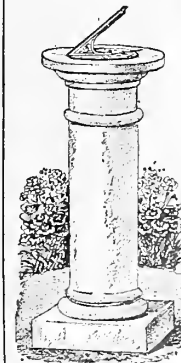
These ancient time-tellers are a part of every exclusive flower or vegetable garden and indeed a very interesting one.

No. 350. 8-in. diam., bronze, plain, \$5.50 (by P. P., \$5.75).

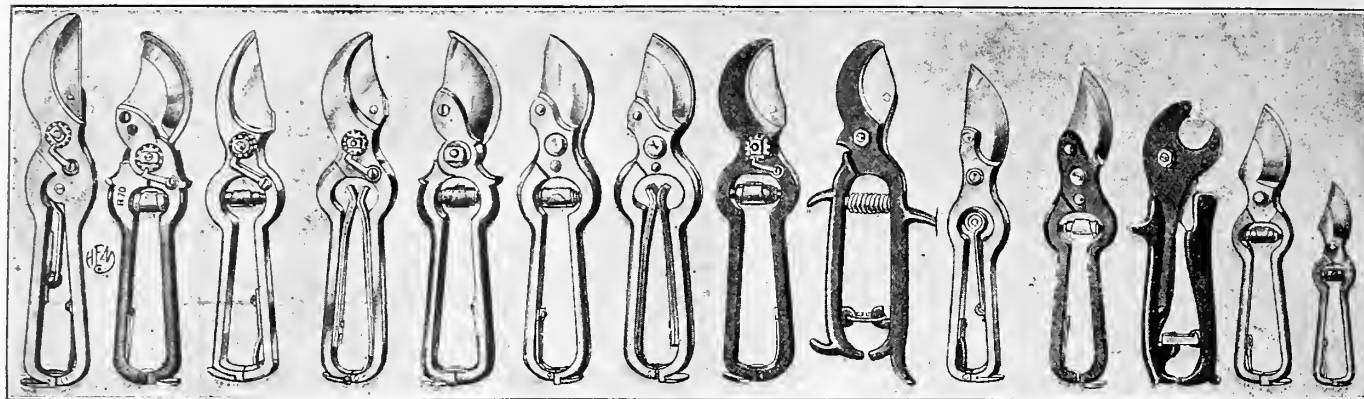
No. 351. 9½-in. diam., bronze, with motto, \$6.50 (by P. P., \$6.75).

No. 105. 10-in. diam., bronze, with motto, \$7.00 (by P. P., \$7.25).

No. 107. 11-in. diam., bronze, with motto, \$10.00 (by P. P., \$10.25).



Prices do not include pedestal.



R95 R70 190 R165 Wiss 50 R165 R70 0 1586 R50 Levin 14 23

PRUNING SHEARS

Our pruning shears are procured from the most reliable makers and fully guaranteed.

If wanted by Parcel Post add 15c. each for postage and insurance.

No.		Length	Each
110	Perfection.....	8 in.	\$3.00
50	Pexto.....	8 in.	1.00
R 50	Pexto.....	9 in.	1.25
R 95	Pexto.....	10 in.	3.75
109	Wiss.....	8 in.	3.50
789	Wiss.....	9 in.	1.50
65	Pexto American.....	9 in.	1.75
R165	Pexto American.....	9 in.	2.25
R 70	Pexto American.....	9 in.	1.75
14	Pexto, Nickeled.....	6½ in.	1.50
0	Pexto.....	9 in.	.60
253	Disston, plain.....	8 in.	2.50
	Levin.....		.75
23	Henckel, Nickeled.....	4½ in.	1.75
23	Henckel, Nickeled.....	6½ in.	2.00
190	Henckel.....	7½ in.	2.75
200	Henckel.....	8½ in.	3.00
210	Henckel.....	9½ in.	3.25
1586	French.....	7 in.	2.25
1586	French.....	8 in.	2.50

Spiral Springs for any of the above Pruning Shears. 20c. each; per doz., \$2.00.

**BRUSH OR BRIAR HOOK**

No. 43. Long handle\$0.75



No. 3. Hedge Knife



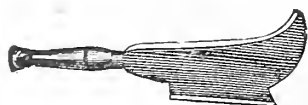
No. 1. Hedge Knife

STEEL HEDGE KNIVES

For cutting heavy brush, shrubbery, hedges, etc. Made of the finest steel.

No. 3. Large heavy style.....\$5.00

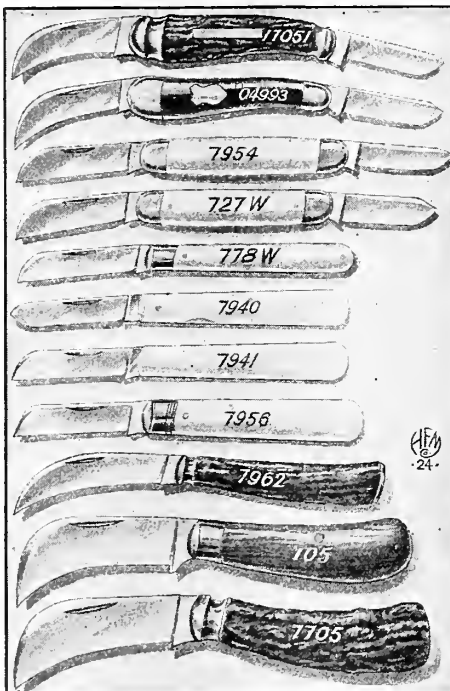
No. 1. Short handle (by P.P., \$1.25). 1.10

**ENGLISH BILL HOOKS**

For trimming heavy shrubbery, trees, etc.

Short Handle, \$2.25 (by P. P., \$2.50).

Long Handle, \$3.50 (by P. P., \$3.75).

**HORTICULTURAL KNIVES**

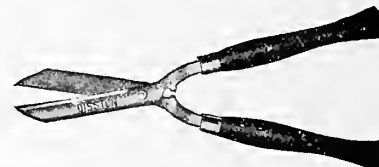
Our stock consists of such styles that are practical and in demand. They are all of the best steel. Every one is guaranteed to give good satisfaction.

WOSTENHOLM ENGLISH

No.		Each
7705	Pruning, 1 blade, stag handle, extra heavy.....	\$3.00
7940	Budding, 1 blade, white handle.....	2.75
7941	Budding, 1 blade, white handle.....	3.00
7954	Budding, 2 blade, white handle.....	3.00
7956	Budding, 1 blade, white handle.....	3.50
7962	Pruning, 1 blade, stag handle.....	2.25
17051	Pruning, 2 blades, stag handle.....	3.25

AMERICAN MAKE

105	Pruning, 1 blade, cocoahandle.....	1.10
727W.	Budding, 2 blades, white handle.....	1.25
04993	Budding and Pruning, 2 blades, ebony or stag handle.....	1.25
	Florists' Favorite. 1 blade, white handle; an excellent knife for the gardener.....	\$1.25

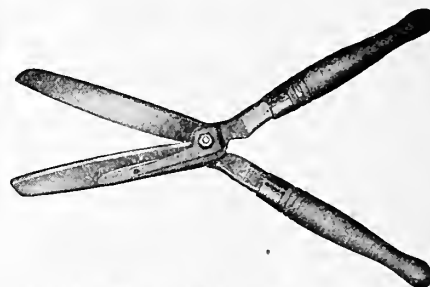
**HEDGE SHEARS**

If wanted by Parcel Post, add 25c. each for postage.

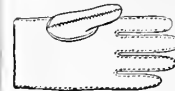
No.		Disston	American	English
101A	6½-inch, Ladies'.....	\$1.50		
101A	8-inch.....	2.50		\$3.25
101A	9-inch.....	2.75		3.50
101A	10-inch.....	3.00		4.00
101A	12-inch.....	3.25		4.75

Bolts and Nuts for hedge shears, 30c.

Handles for Hedge Shears, \$1.00 per pair.

**YEAKLE HEDGE SHEAR**

These shears will not push the hedge forward but will hold it and cut it at once. They also have a tension spring to keep the blades together, consequently need little or no attention, as the spring has a tendency to keep them sharp. Price, \$6.00 (by P. P., \$6.50).

**LEATHER PRUNING GLOVES**

If wanted by Parcel Post, add 10c. per pair for postage.

No.		Pair
225.	Horsehide, with gauntlets, not lined.....	\$2.75
280.	Horsehide, with gauntlets, lined.....	2.00
228.	Horsehide, no gauntlets, not lined.....	2.75
288.	Horsehide, no gauntlets, lined.....	1.75



LITTLE WONDER HEDGE TRIMMER

This machine is built along practical lines mechanically, and of the very best materials; weight 16 lbs. When the knives require sharpening, do not grind, use a carborundum stone which accompanies each machine. Designed only for trimming back the new growth of hedge during the summer months; not intended for cutting back old wood growth; equipped with a web strap for supporting it from the shoulder when in use. The cutting knife runs backward or forward through a knife guard and is operated by turning a wheel.

Junior. 30-in. cut, price, \$25.00 (by P. P., \$25.50).

Little Wonder. 40-in. cut, price, \$27.50 (by P. P., \$28.25).

Little Wonder. 60-in. cut, price, \$35.00 (by P. P., \$36.00).

WATERS TREE PRUNERS

With removable cutting blade and pole complete.

4 feet.....	\$2.50
6 feet.....	2.75
8 feet.....	3.00
10 feet.....	3.25
12 feet.....	3.50
14 feet.....	4.00

Extra Blades for Waters Pruners, 35c. each.

The Waters Tree Pruners are equipped with poles and are not mailable.

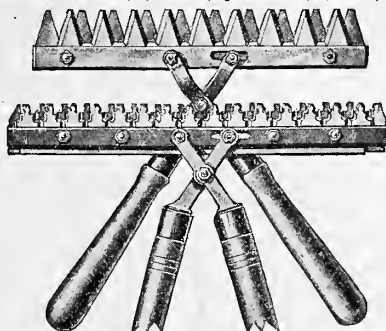
Poles for Tree Pruners

12 feet long, 1 1/4 inch diameter.....	\$2.75
14 feet long, 1 1/2 inch diameter.....	3.00



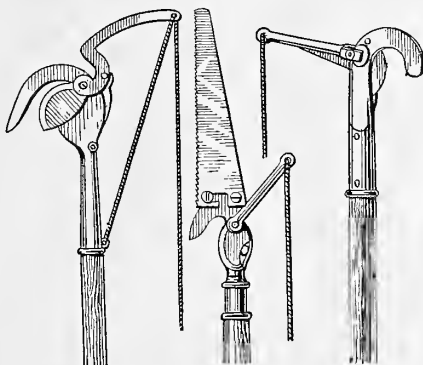
SIMPLICITY HEDGE TRIMMER

To be used for fresh new growth only. Works rapidly and easily. It will trim every variety of hedge grown and to any shape desired. Price, \$4.00 (by P. P., \$4.25).



SIMPLICITY HEDGE PRUNER AND TRIMMER

For pruning back old growth and trimming new, \$6.00 (by P. P., \$6.25).



Disston's Little Giant Disston's Little Giant with Saw Telegraph

TREE PRUNERS

Disston's Little Giant. Pruner...\$2.25

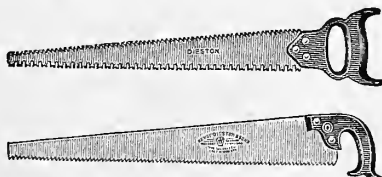
Disston's Little Giant. With saw attachment..... 3.30

If wanted by Parcel Post, add 15c. each for postage.

Prices are for Pruner without rope or pole.

TELEGRAPH TREE PRUNERS

Removable blade, which can be renewed when worn out for 35c. Price, plain, without pole, \$2.10 (by P. P., \$2.25).



DISSTON PRUNING SAWS

If wanted by Parcel Post, add 15c. each for postage.

No. 4.	18-inch.	Double edge.....	\$1.75
No. 4.	20-inch.	Double edge.....	2.00
No. 7.	16-inch.	Single edge.....	1.60
No. 7.	18-inch.	Single edge.....	1.70
No. 7.	20-inch.	Single edge.....	1.80
No. 7.	22-inch.	Single edge.....	2.15
15-inch.	California Pattern.	Crescent shaped blade.....	1.25



CROSS CUT LOG SAWS

Disston Make

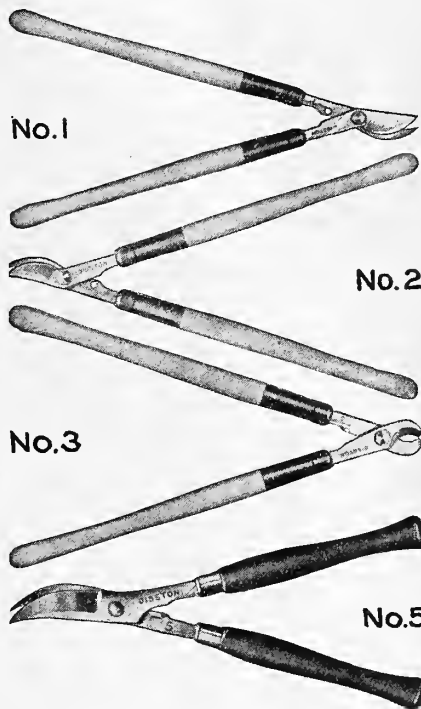
Keystone No. 3, one-man, 3 1/2 ft. blade. \$3.50
Gt. American, two-man, 5 ft. blade... 5.50



CARPENTER SAWS

State if rip or cross-cut is wanted.

Disston No. 8D. 26-inch blade.....\$3.50
Disston No. 8D. (Rip) 28-inch blade... 3.75



No.1

No.2

No.3

No.5

LOPPING SHEARS

No. 1. Disston Lopping. Polished hardwood handle, 20 inches long; 27 1/2 inches over all; heavy ferrule; heavy blades for heavy work; weight, 3 1/4 lbs. Price, \$3.00 (by P. P., \$3.25).

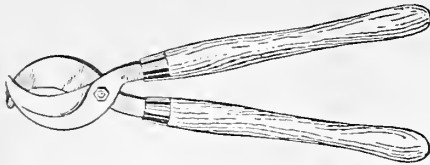
No. 2. Disston Vine Lopping. Details same as above, excepting it is made slightly lighter for smaller work; weight, 3 lbs. Price, \$2.75 (by P. P., \$2.90).

No. 3. Disston Bull Dog Lopping. Both jaws curved and both cutting jaws; weight, 3 1/2 lbs. Price, \$2.75 (by P. P., \$2.90).

No. 5. Disston Utility Lopping. 10 1/2-inch black handles; full polish, 3 1/4-inch blades; weight, 1 1/2 lbs. Price, \$2.00 (by P. P., \$2.15).

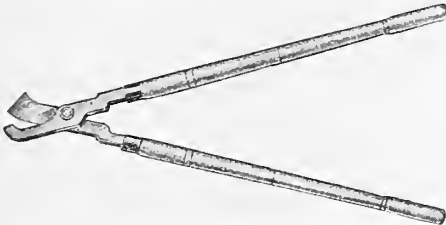
TIFFANY LOPPING SHEARS

No. 2. All Steel. 24-inches long. Price, \$3.75 (by P. P., \$3.90).



RHODES LOPPING SHEAR

Makes an absolutely clean, perfect cut; the blades are concaved at the cutting edge, producing with the handles an enormous leverage. The easiest operating Lopping Shear ever made or sold. 24-inch and 28-inch handles. Price, \$5.00 (by P. P., \$5.25).



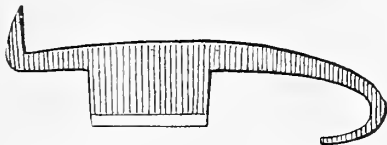
ENGLISH LOPPING SHEAR

No. 109. Made of the finest English steel; 4-inch cut; will sever heavy branches readily. Price, \$6.75 (by P. P., \$7.00).



GRAFTING WAX

$\frac{1}{4}$ lb., 20c.; 30c. per $\frac{1}{2}$ lb. (by P. P., 40c.); 1 lb., 55c. (by P. P., 65c.).



GRAFTING TOOL

Made of the best steel. For grafting trees, etc. All steel. \$1.75 (by P. P., \$1.85).

MAN O'WAR WINDMILL

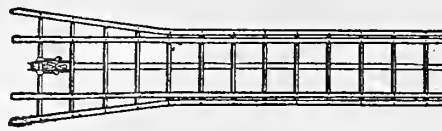


An interesting feature for the children's garden, although they are equally practicable for the grown-ups. Revolves with the least puff of wind, and on account of their looks they serve as a scarecrow for undesirable birds or animals. They can be

fastened to any tree, post, house or wash line pole. Height, 15 in.; \$1.50 each (by P. P., \$1.60).

INDIAN CHIEF WINDMILL

\$1.50 each (by parcel post, \$1.60).



COMPOUND EXTENSION LADDERS

These are made in the best manner possible; are complete, being equipped with the necessary rope and pulleys.

20 feet.....	70c.	30 feet.....	70c.
22 feet.....		32 feet.....	per ft.
24 feet.....	per ft.	36 feet.....	80c.
28 feet.....		40 feet.....	per ft.

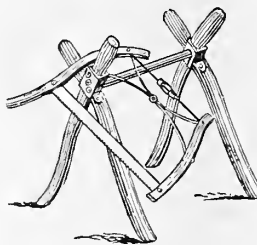
SINGLE PLANK LADDERS

Made of good hard wood, free from faulty knots and with perfect rounds.

10 feet.....	\$5.50	16 feet.....	\$8.80
12 feet.....	6.60	18 feet.....	9.90
14 feet.....	7.70	20 feet.....	13.00

STEP LADDERS

Gem. 4 ft. to 10 ft., 65c. per foot.

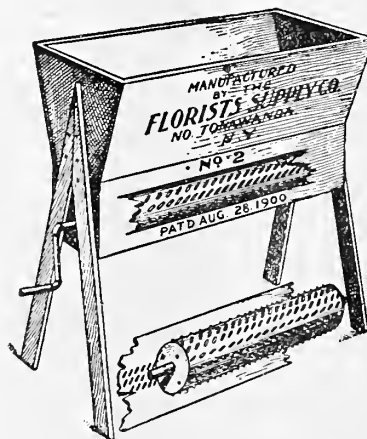


BUCK SAW

No. 50. Each, \$1.50 (by P. P., \$1.75).

SAW-HORSE OR WOOD BUCK

No. 2. Each, 85c. (by P. P., \$1.00).

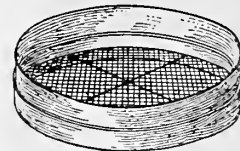


SOIL PULVERIZER

The machines are equipped with a hopper and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding necessity to sift.

No.	Length	Width	Height	Price
1	25 in.	20 in.	40 in.	\$22.00
2	46 in.	20 in.	40 in.	32.50
3	46 in.	20 in.	40 in.	42.50

The No. 3 size has an extra roll.

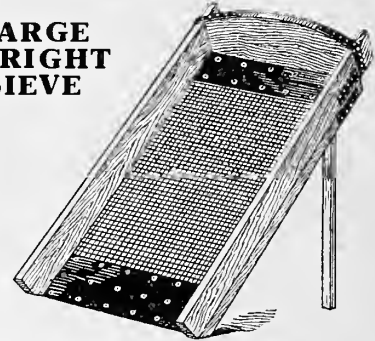


SIEVES

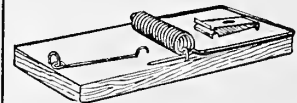
(Any Size Mesh) Made extra well.

	Each	By P. P. Each
20-inch Steel (Heavy).....	\$1.50	\$1.70
20-inch Galvanized wire.....	1.50	1.70

LARGE UPRIGHT SIEVE



For soil, gravel, sand, etc. Made in any size mesh, of extra heavy grade foundry wire. \$16.00 each.



OUT-O-SIGHT TRAPS

The most satisfactory mouse and rat trap. Set off at the least vibration.

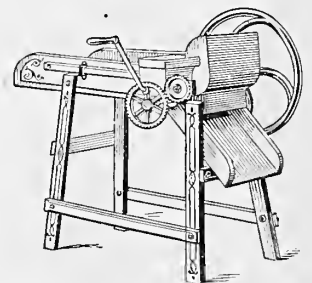
	Each	By P. P. Each
Mouse.....	\$0.10	\$0.15
Rat.....	.20	.25

BANNER ROOT CUTTERS



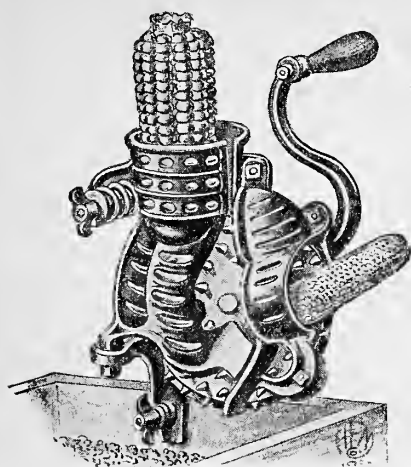
Roots of vegetables cut up fine take the place of grass and greens during the winter months.

No. 7. For poultry, sheep and lambs, \$6.50.
No. 35. Large size, \$30.00.



HAY AND FEED CUTTER

For cutting hay, ensilage, etc.
No. 11 $\frac{1}{4}$ Ohio Pony. Single knife. \$30.00

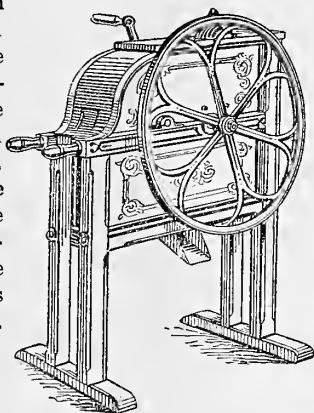


BLACK HAWK CORN SHELLER

Excellent for small poultry farms, etc. Ball-bearing; suitable for fastening to a bench, box, etc., for shelling small quantities of corn. \$3.25 each (by P. P., \$3.60).

PENNA. CORN SHELLER No. 3

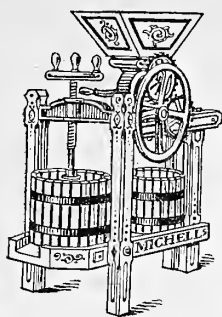
Useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out another. \$15.00.



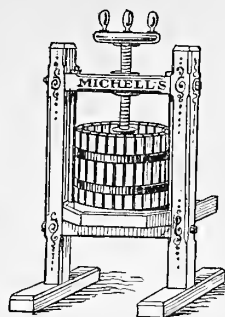
GRAPE PROTECTING BAGS

Thousands of bunches of grapes are wasted annually because they are not protected against the ravages of insects, birds, etc. Michell's Improved Grape Bags are economical, easily attached and last a season. The fruit ripens just as readily in them as it does in the open. The bags should be attached when the grapes are the size of a pea prior to which it is suggested that they be sprayed (even though not affected) against blight or fungus; the bags should be left attached until the fruit is ready to harvest.

	100	P. P.	1000
		per 100	
2 lb. size.....	\$0.60	\$0.70	\$5.00
3 lb. size.....	.70	.80	5.75
4 lb. size.....	.75	.90	6.50



Cider Mill



Fruit Press

CIDER MILLS

	Capacity	Price
Bantam, 1 single tub....	1/2 bu.	\$20.00
Junior.....	5/8 "	25.00
Medium.....	3/4 "	30.00
Senior.....	1 1/4 "	42.50

FRUIT PRESSES

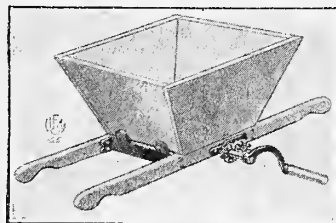
Made of best quality wood, carefully bolted and finished.

No.	Capacity	Price
1	1/4 bu.	\$8.00
2	1/2 "	9.00
3	1 "	13.50
7 Very heavy.....		35.00



JUICY FRUIT PRESS

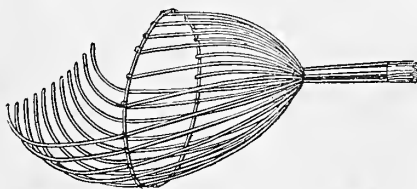
A very valuable press for making jellies, Fruit Syrups, Lard, etc. All parts coming in contact with fruit juices are tinned with pure block tin. Base and feet cast as one piece. Price, \$8.50.



GRAPE GRINDER

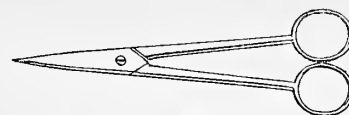
Suitable for crushing berries, grapes and similar soft fruit.

No. 18.....	\$7.00
No. 14.....	8.00



BOSS FRUIT PICKER

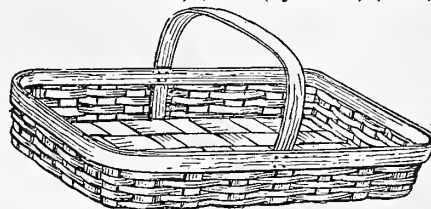
Made substantially of galvanized wire. Can easily be attached to a pole of any length. Price, 50c. (by P. P., 60c.).



GRAPE SCISSORS

For thinning out bunches of grapes without disturbing the berries that are to remain for development.

No. 6148. 6 inch, \$1.25 (by P. P., \$1.35).



GATHERING BASKET

Very convenient for carrying berry boxes, asparagus and other vegetables. Made of oak, with substantial handles; 12 in. wide, 23 in. long, 4 in. deep. Price, \$1.10 (by P. P., \$1.30).

GARDEN BASKETS

No. 2, Stiff Handle

1/2 Bu., \$1.00 each (by P. P., \$1.20).

No. 3, Drop Handle

1/2 Bu., \$1.00 each (by P. P., \$1.20).

No. 4, Without Handle

1/2 Bu., 85c. each (by P. P., \$1.05).

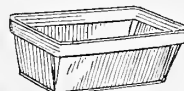
1 Bu., \$1.00 each (by P. P., \$1.20).



SPLINT OR CHIP BASKETS

With Double Drop Handles

	Each	Doz.
1/4 bu.....	\$0.15	\$1.50
1/2 bu.....	.20	1.75
3/4 bu.....	.25	2.25
1 bu.....	.30	2.75



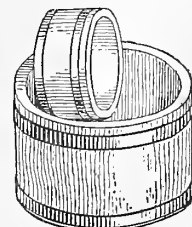
BERRY BOXES

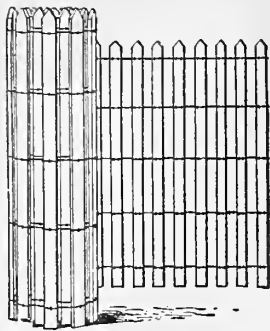
	100	1000
1 qt.....	\$1.50	\$12.00
1 pt.....	1.35	11.00

WOOD MEASURES

1/4 peck.....	\$0.65
1/2 peck.....	.70
1 peck.....	.80
1/2 bushel.....	1.25
1 bushel.....	3.00

If wanted by P. P., add 20c. for postage.





CEDAR PICKET FENCING

This is tailor-made compared to the ordinary ready-made fencing. Will wear for years without paint. Readily put up and saves time, labor and expense of fence building. Far ahead of and will outwear the old style wire fence by many years. Rolls of 50 feet are carried in stock; 75 and 100 ft. rolls will be shipped from factory.

3 ft. high, with 4 galvanized steel double wire cables, 15c. per running foot.

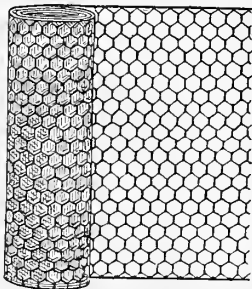
4 ft. high, with 5 galvanized steel double wire cables, 17c. per running foot.

5 ft. high, with 6 galvanized steel double wire cables, 22c. per running foot.

WIRE NETTING

Price is constantly changing and is subject to market.

No. 19. Galvanized, two-inch mesh, 150 running feet per bale.



Width	Per Bale	Width	Per Bale
12 inches.....	\$1.75	42 inches.....	\$4.75
18 inches.....	2.50	48 inches.....	5.50
24 inches.....	3.25	60 inches.....	6.50
30 inches.....	3.75	72 inches.....	8.00
36 inches.....	4.25		

No. 20, galvanized, one-inch mesh, 150 running feet per bale.

Width	Per Bale	Width	Per Bale
12 inches.....	\$3.50	42 inches.....	\$9.25
18 inches.....	4.75	48 inches.....	10.25
24 inches.....	6.00	60 inches.....	12.00
30 inches.....	7.00	72 inches.....	15.00
36 inches.....	8.00		

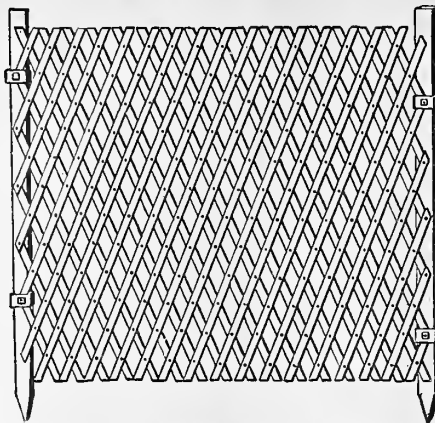
STAPLES

$\frac{3}{4}$ inch, for fastening netting, 15c. per lb. (by parcel post, 25c.).

CUT WIRE NETTING

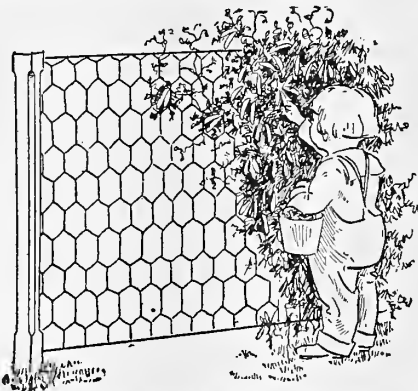
We can furnish this in both 1- and 2-inch mesh, in units of 25-ft., 50-ft., 75-ft., 100-ft. and 125-ft. lengths. 1-inch mesh at 4c. per square ft.; 2-inch mesh at 2c. per square ft.

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.



No. 1, MANIFOLD PEA TRELLIS (Wood)

The ideal arrangement for garden and sweet peas. When fully opened it makes a trellis 19 feet long, and this is varied according to the height desired. Positively the best thing of its kind that has ever come to our notice. It can be set up in 5 minutes and taken down in less; folds together so that it occupies very little storage space. Very desirable also as a trellis for training vines on. Complete ready to put up; stained green, \$4.00 each; doz., \$46.00.



WIRE PEA TRELLIS

Does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 48 inches high and in 10-foot sections, with 3 suitable $5\frac{1}{2}$ -foot stakes for fastening in the ground. \$1.75 each.



Carnation Support

MÜLLER'S DOUBLE 3-RING CARNATION SUPPORTS

The best double support on the market; made of Nos. 11 and 14 galvanized wire, which will not rust; 28 inches high; can be put together in less than a minute; will not fall apart; can be raised and lowered to suit plants. This support will pack in a small space, the legs folding flat after the rings are detached.

Per doz.....	\$1.50
Per 100.....	8.00
Per 1000.....	75.00

ADJUSTO PLANT SUPPORT

Indispensable for Roses, Dahlias, Tomatoes and other plants.

The "Adjusto" Plant Support is a marvel for simplicity and efficiency. It consists of two parts, an oak stake pointed at the bottom and painted green and a hoop of the toughest wire, also painted green to prevent rust.

It contains no nails, hooks, or screws. It holds securely any flower or plant and can be adjusted to any height to conform with the plant's growth.



Plants thrive when supported by the "Adjusto" and are sure to bear more beautiful blossoms and perfect fruit.

A permanent equipment which can be used year after year.

Height Each Doz.	
18-inch.....	\$0.10 \$1.00
24-inch.....	.12 1.25
3-feet.....	.30 3.25
4-feet.....	.35 4.00
5-feet.....	.40 4.50
6-feet.....	.45 5.25

MÜLLER'S DOUBLE SNAPDRAGON SUPPORT

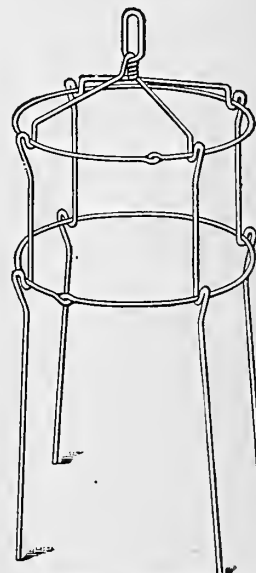
The only support of the kind on the market and indispensable to the proper growing of this popular plant; 48 inches high; 3-ring. Per doz., \$2.25; \$15.00 per 100.

MÜLLER'S TOMATO OR PEONY SUPPORT

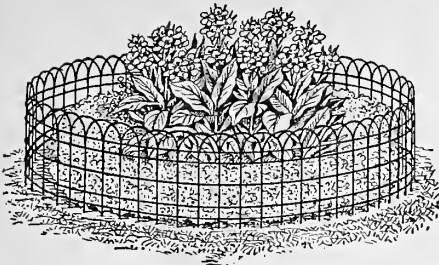
(See illustration below.)

Made of galvanized wire in a substantial manner; stands solid and firm; they will pay for themselves the first season, insuring more flowers and better fruit. Price, 35c. each; doz., \$3.75; \$30.00 per 100.

See page 176 for Plant Stakes.



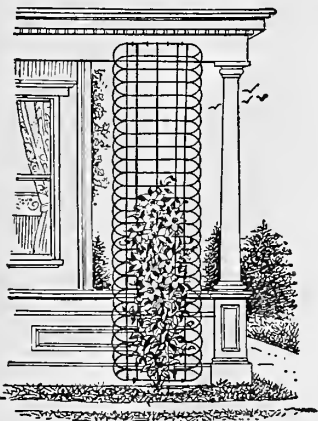
Tomato or Peony Support



FLOWER BED FENCING

For putting around beds, lawns, etc. Any length desired up to 165 running feet.

- 16 in. Less than 165 ft. roll, 12c. per ft.
16 in. In roll lots, 165 ft., 10c. per ft.
22 in. Less than 165 ft. roll, 13c. per ft.
22 in. In roll lots, 165 ft., 12c. per ft.

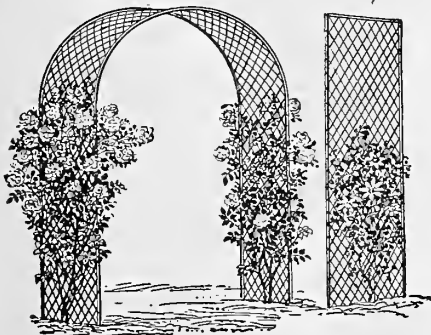


CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porch verandas, pergolas, etc. Thoroughly galvanized and well made.

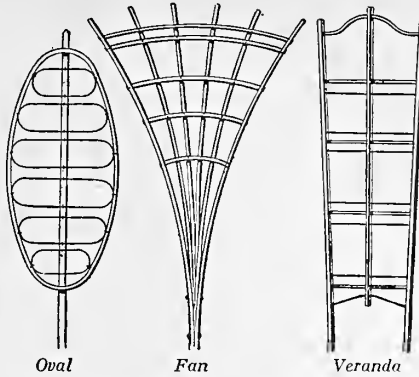
Any length desired up to 165 running feet.

- 18 in. wide, less than 165 ft. roll, 12c. per ft.
18 in. wide, in roll lots, 165 ft., 10c. per ft.
24 in. wide, less than 165 ft. roll, 14c. per ft.
24 in. wide, in roll lots, 165 ft., 12c. per ft.



GALVANIZED WIRE WORK

This can be furnished on short notice, any height or any width, in either trellises or arches. Made of heavy diamond mesh wire with strong frames. It requires usually about two weeks in which to complete orders for this. 50c. per sq. ft. on pieces aggregating 15 sq. ft. or over; less than 15 sq. ft., 60c. per sq. ft.



VERANDA TRELLIS

Made of wood and painted green.

		By P.P.
2 feet.....	\$1.00	\$1.15
3 feet.....	1.35	1.50
4 feet.....	1.50	1.75
5 feet, heavy.....	2.25	2.50

FAN TRELLIS

Made of wood and painted green.

18 inch.....	\$0.40	36 inch.....	\$1.35
24 inch.....	.50	42 inch.....	1.45
30 inch.....	.75	48 inch.....	2.00

If wanted by P. P., add 20c. for postage.

OVAL TRELLIS

Made of wood and painted green.

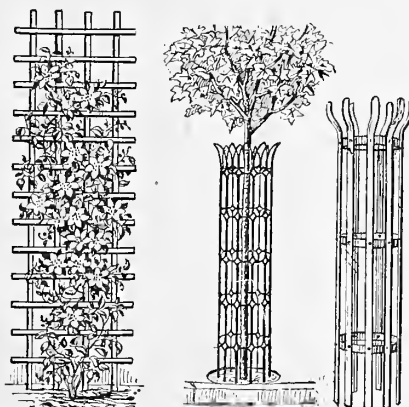
24 inch (by P. P., 75c.).....	\$0.60
-------------------------------	--------

LATTICE TRELLIS

Made of wood and painted green.

	18 in. wide	24 in. wide
6 feet.....	\$2.50	\$3.50
7 feet.....	3.00	4.00
8 feet.....	3.50	4.50
9 feet.....	3.75	4.75
10 feet.....	4.25	5.25
12 feet.....	4.75	6.25

Shipment via express only.



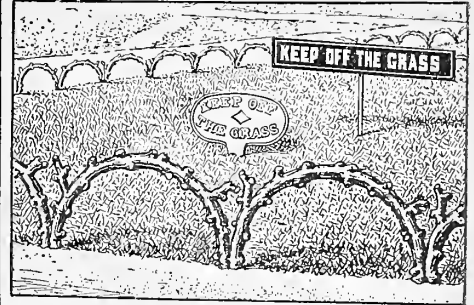
Lattice Trellis Wire Guard Iron Guard

TREE GUARDS

Galvanized Wire. Carefully made of heavy material and finished in a neat and substantial manner. 12 in. diam., \$2.00 each; 9 in. diam., \$1.75 each.

No. 4. Iron. Made of flat iron, finished black; will last indefinitely with an occasional painting. \$4.00 each.

Phila. Official Tree Guard. Made of heavy round iron. \$6.50 each.



LAWN GUARDS

For path corners, flower beds, etc. Iron (see cut), nicely painted green, \$2.75 each. Not mailable.

Wire, made extra heavy and well galvanized. Price, 30c. each (by P. P., 40c.); per doz., \$3.25 (by P. P., \$3.60).

LAWN SIGNS

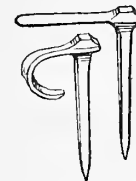
Excellent for putting on grass plots where thoroughfare is not desired.

Iron, painted gray, trimmed red, \$1.00 each (by P. P., \$1.15); per doz., \$10.00.

Enameled Iron Style. (See cut above.) This pattern is best for conspicuous places. Nameplate finished with green and white enamel; 20 inches long and about 4 inches wide. Equipped with iron stake. \$2.25 each (by P. P., \$2.45); per doz., \$25.00.

NO GUNNING SIGNS

Made of white oil cloth, with large black lettering; size, 12 by 13 inches. Price, 6 for \$2.50; \$4.50 per doz.



See page 192 for other cut flower vases.

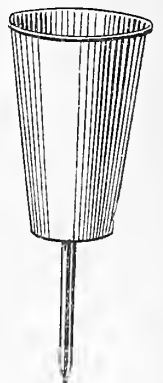
WALL NAILS

For fastening climbing vines; equipped with a soft metal clasp which holds the vine against the wall.

1-inch, 45c. per doz. (by P. P., 50c.); per 100, \$2.75 (by P. P., \$2.85).

1 1/2-inch, 60c. per doz. (by P. P., 65c.); per 100, \$3.75 (by P. P., \$3.95).

2-inch, 75c. per doz. (by P. P., 85c.); per 100 \$4.50 (by P. P., \$4.75).

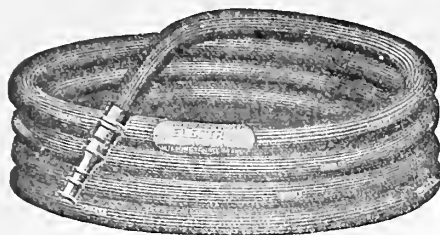


Tin Enameled Vase

VASES

For holding cut flowers on cemetery lots, etc.

No.		Each	P.P. Each
6.	Iron. Large; green.....	\$0.80	\$0.95
5.	Iron. Medium; green....	.65	.75
6.	Galvanized. Large.....	1.00	1.15
5.	Galvanized. Medium....	.85	.95
2.	Tin. Enameled; large, green, 20c. each (by P. P., 30c.); doz., \$2.25 (by P. P., \$2.75).		



RUBBER HOSE

	Per ft.
Michell's Special, 1/2 inch	\$0.14
Michell's Special, 3/4 inch	.17
Electric. You cannot kink it. 1/2 inch	.22
Electric, 5/8 inch	.23
Electric, 3/4 inch	.24
Michell's Akron, 3/4 inch	.21
Michell's Magic, 3/4 inch	.22
Spray Pump Hose, Electric, 3/8 inch	.15

All brands come in reels of 500 feet and sections in any length to that number of feet may be had.

25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 30c. per pair for couplings.

Hose Washers. 3/4 inch, 5c. per doz.; 1/2 lb., 15c.; 50c. per lb. (by P. P., 60c.). 1 inch, 6c. per doz.; 1/4 lb., 20c.; 75c. per lb. (by P. P., 85c.).



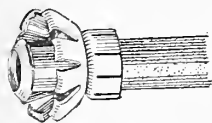
Cooper Hose Mender

HOSE MENDERS

If wanted by parcel post, add 15c. per doz. for postage.

	Each	Doz.
Cooper's, 3/4-inch	\$0.10	\$1.00
Cooper's, 5/8-inch	.10	1.00
Cooper's, 1/2-inch	.10	1.00
Iron, 3/4-inch	.10	1.00

PERFECT HOSE MENDERS

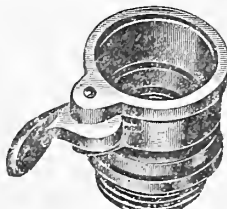


Made entirely of brass, with swivel motion—no band required.

For 1/2-inch and 3/4-inch hose, 15c. each; doz., \$1.40 (by P. P., \$1.55).



No. 3



No. 4

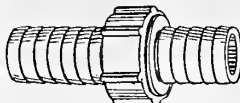
ACME HOSE COUPLINGS

For quickly connecting and detaching hose. No. 3 part, for attaching to spigot, 30c. each; doz., \$3.00 (by P. P., \$3.20).

No. 4 part, for attaching to hose, 50c. each; doz., \$5.00 (by P. P., \$5.25).

Couplings complete, consisting of one No. 3 and one No. 4 part, 80c. each; per doz., \$8.00 (by P. P., \$8.35).

HOSE COUPLINGS

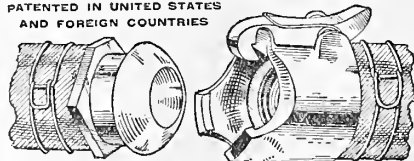


If wanted by parcel post, add 5c. each; 25c. per doz. for postage.

	Pair	Doz.
Plain Brass (see cut) 1/2 inch	\$0.20	\$2.00
Plain Brass 3/4 inch	.20	2.00

Perfect. Equipped with a clamp on the male and female part for securing to the hose; no band required; for 1/2- and 3/4-inch hose; mention which is wanted when ordering. 30c. per pair; doz., \$3.25

PATENTED IN UNITED STATES AND FOREIGN COUNTRIES



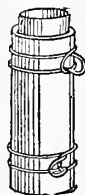
No. 2 Snap Coupling No. 1 Snap Coupling

SNAP HOSE COUPLINGS

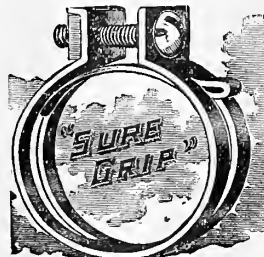
These couple hose instantly, work on a spring and are water tight. 35c. per pair; doz. pairs, \$3.75 (by P. P., \$4.00). Washers, 25c. per doz.

SNAP COUPLING PARTS

No. 2. Male. 25c. each; per doz., \$1.75 (by P. P., \$1.90). No. 1. Female. 40c. each; per doz., \$3.50 (by P. P., \$3.65).



Caldwell Band as applied to Hose



HOSE BANDS

For fastening couplings and menders.

CALDWELL'S

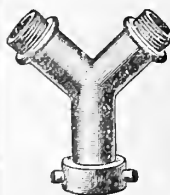
If wanted by parcel post, add 10c. per gross for postage.

No.	Doz.	Gross
8. For 4-ply hose	\$0.35	\$3.00
6. For 3-ply hose	.35	3.25

SURE GRIP

Can be furnished in 1/2-inch, 5/8-inch and 3/4-inch, either size, 5c. each; doz., 40c. (by P. P., 45c.).

No. 68. SIAMESE HOSE CONNECTION

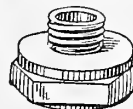


This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used according to the water pressure. It is specially adapted for lawn sprinkling. Price, 65c. each (by P. P., 75c.).

HOSE REDUCERS

For reducing 1-in. pipe to fit regular 3/4-in. hose.

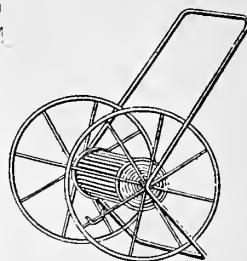
Each, 60c. (by P. P., 70c.).



HOSE REELS

WIRT'S REEL

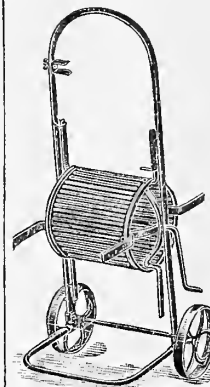
(All Iron)
Indestructible; light in weight.
No. 10. Holds 100 ft. of 3/4 in. hose, \$6.00.
No. 20. Holds 150 ft. of 3/4 in. hose, \$6.50.
No. 30. Holds 400 ft. of 3/4 in. hose, \$9.00.



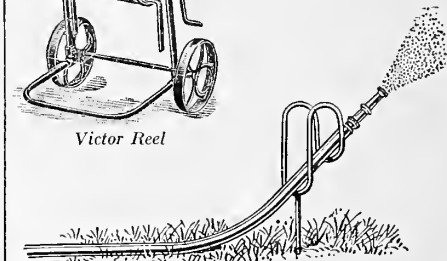
Wirt's Reel

VICTOR REEL

Constructed with channel steel frame; cast iron wheels; solid steel reel arms; heavy corrugated steel drum. Holds 100 ft. of 3/4 inch hose, \$3.50 each.



Victor Reel



NOZZLE HOLDER

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 20c. each (by mail, 30c.).

HYDRANT ATTACHMENTS

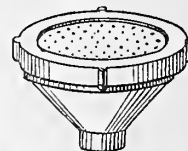
For attaching hose to smooth faucets. No. 2. For small spigot, 50c. (by P. P., 60c.).



No. 3. For large or standard spigot, 60c. (by P. P., 70c.).

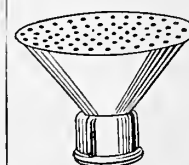
BINKS NOZZLE

Made of aluminum, with brass face; equipped with interchangeable sprays, coarse and fine. It makes watering possible without wetting the hands. Positively the best and most indestructible nozzle made. \$3.00 each; worth twice the price (by P. P., \$3.10).



BOSTON SPRAY NOZZLE

(For 3/4-inch Hose)
Light Copper. \$1.35 (by P. P., \$1.45).
Heavy Brass. \$1.35 (by P. P., \$1.45).

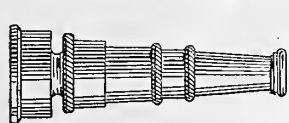




AQUOMATIC HOSE NOZZLE

A high-grade water control, opening and closing automatically, by slightly pressing lever with the fingers; a positive, quick shut-off; made of heavy cast brass. Price, \$2.00 (by P. P., \$2.10).

GEM PATTERN HOSE NOZZLE



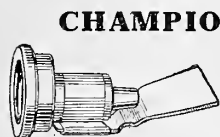
$\frac{3}{4}$ -inch hose. Can be regulated to give three different

streams. Price, 75c. (by P. P., 85c.).



RAIN KING NOZZLE

Wear-proof, leak-proof and guaranteed; adjustable from a long, solid stream to the finest mist spray. \$1.50 each (by parcel post, \$1.60).



CHAMPION NOZZLE
A dandy nozzle for greenhouse use; makes a spray or a solid stream; easily adjusted. 50c. each (by P. P., 60c.).



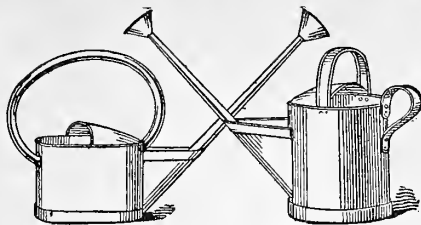
Two Purpose

TWO PURPOSE NOZZLE

A combination hose nozzle and garden spray; gives any desired spray from a fine mist to a powerful compact stream. \$2.00 each (by P. P., \$2.10).

RUBBER APRONS

For protecting the clothing while watering, etc., made of extra heavy material; brass eyelets. \$2.00 each (by P. P., \$2.15).



WATER CANS (Wotherspoons)

Extra Heavy—With Long Spout—Will Last for Years

Each Wotherspoon can comes equipped with two roses, one coarse and one fine.

These cans are not available.

	Round	Oval
4 quart.....	\$4.70	
6 quart.....	5.00	\$5.50
8 quart.....	5.50	6.00
10 quart.....	6.00	6.50
12 quart.....	6.25	6.75
16 quart.....	7.00	7.50
4 quart Fern or Low Watering Can.....	3.75	

EXTRA ROSES OR SPRAYS

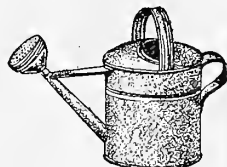
For Wotherspoon Watering Can, either coarse or fine, 60c. each (by P. P., 70c.).

IRON CLAD WATER CANS

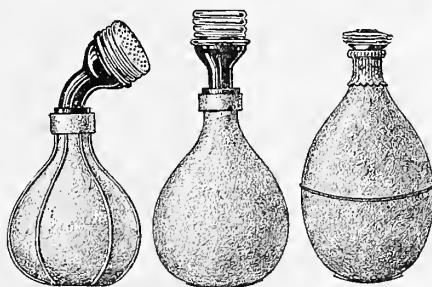
Made of light galvanized iron.

4 quart.....	\$0.90
6 quart.....	1.00
8 quart.....	1.10
10 quart.....	1.20
12 quart.....	1.30
16 quart.....	2.00

If Iron Clad Water Cans are wanted by parcel post, add 25c. each for postage.



Iron Clad



Spraywell

Scollay

RUBBER SPRINKLERS

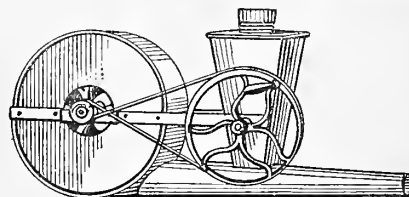
Spraywell style in either straight or crook neck.

No.	Each
1. Spraywell Style. 6 oz. capacity..	\$0.85
2. Spraywell Style. 8 oz. capacity..	1.10
3. Spraywell Style. 10 oz. capacity..	1.25
1. Scollay. 10 oz. capacity.....	1.40

If wanted by parcel post, add 10c. each for postage.

THE MISTO BOTTLE SPRAYER

An ideal sprayer for applying various insecticides to house plants. Makes a fine mist, avoiding all drip; so simple in design it will last forever; nothing to get out of order; made of metal, nicely nickeled; can be used in connection with most any ordinary bottle. Guaranteed in every respect or money back. Price, without bottle, \$1.10 (by parcel post, \$1.20).

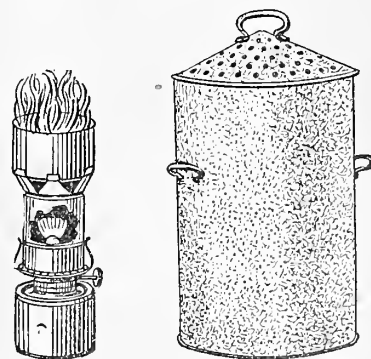


SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Made of heavy metal with no wearout to it. A man can dust a very large house in a few minutes by using one of these blowers. Price, \$8.00 (by P. P., \$8.50).

VAPORIZING LAMP

Practical and indestructible; all metal; burns kerosene; used for dispensing fumes of Nikoteen and other preparations of this sort. 75c. each (by P. P., 85c.).



Vaporizing Lamp

Perfection Fumigator

FUMIGATORS

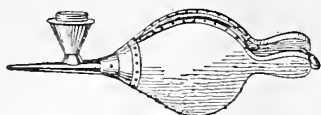
Perfection Make

Fitted with a water tank to prevent burning out.

No. 1 for house 12 x 40 ft.....	\$6.50
No. 2 for house 14 x 100 ft.....	8.50
No. 3 for house 20 x 100 ft.....	10.50
No. 5 for house 20 x 150 ft.....	16.50

WOODASON HAND
BELLOWS

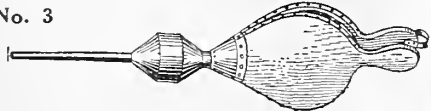
No. 1



No. 2

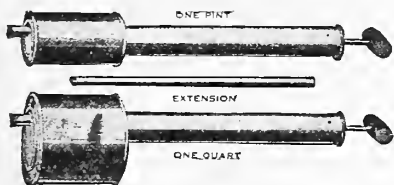


No. 3



Price By P.P.

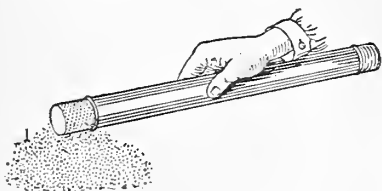
No. 3. Large double cone....	\$6.75	\$7.10
Large single cone.....	4.75	5.00
No. 1. Small single cone.....	3.25	3.50
No. 2. Sulphur bellows.....	4.00	4.25

"DUSTER BROWN"
POWDER DUSTER

A very practical duster of new design; it is of simple construction and works on a new principle recently discovered; made in two sizes, pint and quart. It is of sufficient length to enable the operator to spray ordinary field crops without bending over. For spraying dry insecticides, such as Arsenate of Lead, Bordeaux Mixture, Bug Death, Paris Green, Hellebore, Slug Shot, etc., on small garden plots, rose bushes, or in any place where the various dry powders is to be applied in small quantities.

Each By P.P.

No. 2B. Capacity 1 pint....	\$1.00	\$1.15
No. 2C. Capacity 1 quart....	1.25	1.40



DICKEY DUSTER

Excellent for distributing Bug Death, Slug Shot, etc. Price, 50c. (by P. P., 60c.).

WHIRLWIND
POWDER GUN

For distributing dry powder. 35c. each (by P. P., 40c.).



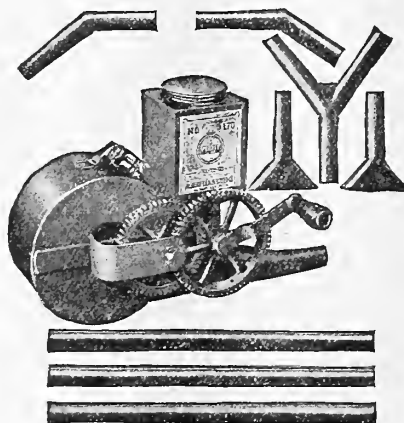
Single Action Duster

VERMOREL DUSTER

The flow being intermittent, this type is commonly called a "puffer"; for general use it is most serviceable. Capacity, 6 quarts, dry measure. For dusting sulphur or sulphur and arsenate mixtures, arsenate of lead, bordeaux mixtures, lime, etc. Simple in construction, easy to operate, efficient in its work.

Single Action. This being of the bellows type has no wheels, cogs, belts or other complicated mechanism that would be likely to wear. Equipped with fine and coarse screens, also strap for carrying. Price, \$15.00 (by P. P., \$15.50).

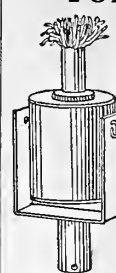
Double Action. The flow from this type being continuous, it is better adapted for certain work, especially where growth is thick. Price, \$22.00 (by P. P., \$22.50).



UTILITY DUSTER

Used for the application (in dry form) of Arsenate of Lead, Paris Green, etc. Made of heavy tin, enameled red; iron and brass machined gears. Provided with tubes, connections and nozzles as illustrated; also an adjustable carrying strap. Price, \$10.00 (by P. P., \$10.50).

TORCHES



For burning out worms, caterpillars and other tree pests.

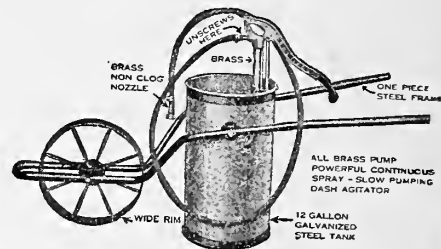
Reservoir,
50c. (by P. P., 60c.).

Asbestos,
50c. (by P. P., 60c.).

POLES FOR
TORCHES, ETC.

Reservoir Torch Hardwood, 12 ft., \$2.75; 14 feet, heavy, \$3.00. **Asbestos Torch** Bamboo, 12 feet, 50c. Poles are not mailable.

	Each	Doz.	100
Bamboo 16 feet long..	\$0.25	\$2.50	\$15.00
Bamboo 18 feet long..	.35	3.25	22.00
Bamboo 20 feet long..	.45	4.00	27.50

No. 50 WHEELBARROW
SPRAYER

Adapted for spraying vegetable crops, flowers, vineyards, orchards, etc.; also for spraying disinfectants or whitewash in poultry houses or other buildings. Steel frame made in one piece; heavy galvanized tank; all brass pump; 8 feet of hose; all working parts brass; double action; continuous spray. The pump may be easily detached from the tank and the tank with wheel and frame may be used for wheeling water. Price, \$15.00.

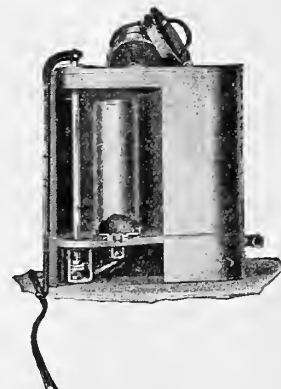
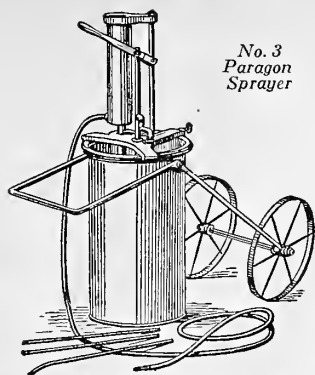
DEMING SPR-RITE
KNAPSACK SPRAYER

Fig. 1002. These are very convenient for carrying around the garden, among shrubbery, trees, etc. Cast bronze plunger pump, solid brass ball valve; of easy operation; tank capacity four gallons; strainer for filling. Equipped with 3 feet of 3/8-inch hose, automatic shut-off and "Eureka" nozzle; weight 30 lbs. Price, galvanized, \$20.00 (by P. P., \$20.50); brass, \$25.00 (by P. P., \$25.50).



No. 3
Paragon
Sprayer

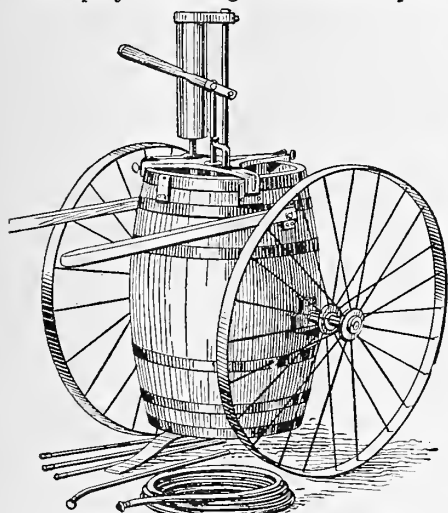
THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir, although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or paint.

No. 0. Capacity, 3 gallons; equipped with 4 ft. of hose, one 3 ft. extension pipe and 2 spray nozzles. Price, \$12.50.

No. 1. With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$17.50.

No. 3. Equipped with a 12-gal. tank mounted on a truck, three 2½ ft. extension pipes, 2 nozzles and 10 ft. of hose, \$25.00. Without truck, \$21.50. We can also supply this sprayer with single wheel at same price.



No. 4 Paragon Sprayer

No. 4. Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose and 2 nozzles; 25 gal. barrel, complete, \$39.50.

No. 5. Capacity of barrel 50 gallons, equipped with 25 ft. 6-ply hose, 1 10-ft. iron extension pipe, 1 3-way nozzle and 1 single spray nozzle, no truck, \$45.00.

Bucket Washers for Paragon Sprayers, 30c.

Fittings for Paragon Sprayers

No.	Price
E85. 2-way Spray	\$2.50
B35. Extension Pipes	.60
E86. Y Fitting	1.00
B 7. Hose Coupling, complete	1.10
B18. Strainer	1.25
B10. Female Hose Coupling	.70
B20. Stop-Cock	1.00
B24A. Mist Spray Nozzle with S. and B.	.90
B22. Brass Hose Bands	each .10

We can also supply other fittings for above Sprayers.

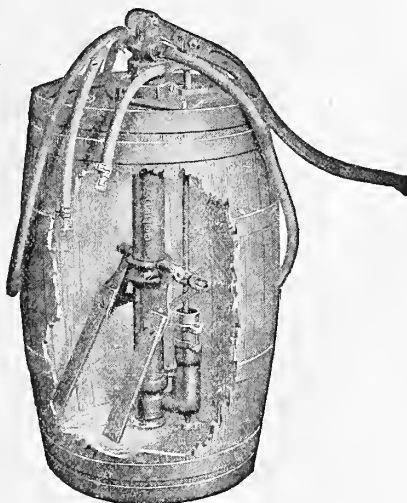
GOULD'S FRUITALL BARREL PUMP. Fig. 1188

A high-grade pump at an attractive price, within the reach of every one who has need for such a pump. Extremely simple in design and a serviceable and reliable sprayer. 2 in. diameter cylinder; bronze wearing parts. Plain pump, no hose, nozzle or barrel, \$12.00.

Outfit C.—With agitator, one 15 ft. lead of ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$18.00.

Outfit D.—With agitator, two 15 ft. leads of ½ in. spray hose and two Mistry Jr. nozzles (no barrel), \$24.50.

Barrels for holding spray solution, 50 gal. capacity, \$7.00 each.



GOULD'S POMONA BARREL PUMP. Fig. 1744

Of large capacity and powerful with long adjustable leverage. Can be used for feeding one or two leads of hose; all working parts are bronze, with lasting qualities. Plain pump, 2½ in. diam. cylinder only, \$22.00.

Outfit C.—With one 15 ft. section ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$27.50.

Outfit D.—With two 15 ft. sections ½ in. spray hose and two Mistry Jr. nozzles, \$33.50.

Barrels for holding spray solution, 50 gal. capacity, \$7.00 each.



JIM DANDY HAND SPRAYER

Adapted for spraying vegetables and flowers, small fruits, etc.; also valuable for spraying disinfectants in buildings. Price, \$3.50 (by P. P., \$3.70).



AUTO SPRAY

This operates by compressed air; safe and efficient; liquid capacity four gallons; pressure capacity, 40 lbs. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best as corrosive solutions can be used in it without injuring the same.

No. 1-B.—Brass; equipped with hose and Auto-Pop Attachment, \$9.00 (by P. P., \$9.35).

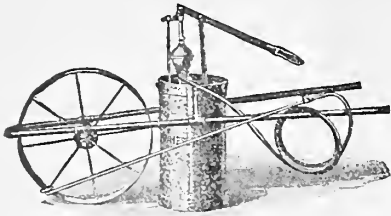
No. 1-D.—Galvanized Iron; equipped with hose and Auto-Pop, \$6.00 (by P. P., \$6.35).

Auto-Pop Nozzle Attachment; controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately: Plain, \$2.00 each (by P. P., \$2.10); \$2.50 complete with hose (by P. P., \$2.60).



VERMOREL KNAPSACK SPRAYER

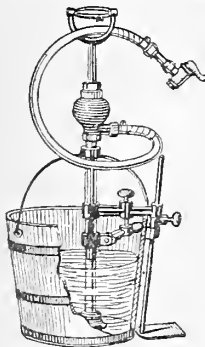
A new copper knapsack sprayer which works on a compressed air principle. Compact in construction and light in weight, so that it can be easily carried around. We will sell this sprayer under the condition that if it is not satisfactory it may be returned at our expense. Price, \$20.00 (by P. P., \$20.50).



DEMING WHEELBARROW SPRAYER

A machine that is nicely balanced and easily transported. Extreme width 18 inches, narrow enough to go through the aisles of a greenhouse; 24 in. wheel with a 3-inch tread, making it easily handled over soft and rough ground. Pump has 1½ in. diam. cylinder, with adjustable stroke. Equipped with 12-gal. galvanized tank, 10 ft. hose, 4 ft. extension pole, nozzle and shut off valve. Price, \$31.00.

BUCKET SPRAY PUMP

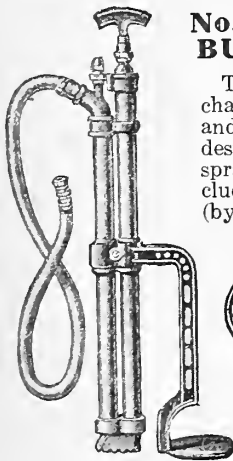


These are made entirely of brass, except the foot rest and hand grip. The prices below do not include bucket, but include nozzle and 3½ feet of ¾-in. hose.

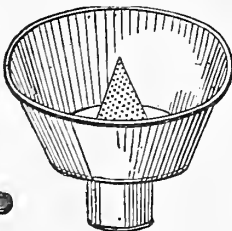
No. 256. Success (without bucket fastener), \$7.50 (by P. P., \$8.00).

No. 689. Perfect Success (with bucket fastener), \$8.25 (by P. P., \$8.75).

No. 327½ MYER'S BUCKET PUMP



This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer. Price, \$4.25, including hose and nozzle (by P. P., \$4.50).



BRASS STRAINER

For straining whitewash, spraying material, etc., \$1.50 each (by P. P., \$1.65).



HEAVY BRASS SYRINGES

No.	Diam.	Length	Price By P.P.
99.	1½ in.	18 in. 1 spray..	\$3.75 \$4.00
101.	1¼ in.	14 in. 2 sprays..	4.25 4.50
101A.	1½ in.	16 in. 2 sprays..	5.00 5.25
110.	1¾ in.	20 in. 2 sprays..	10.50 10.75
120.	1¾ in.	20 in. Adjustable.	10.00 10.25

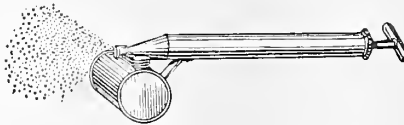


AUTOMATIC COMPRESSED AIR SPRAYER

This is the best hand sprayer ever offered; very easily operated, especially preferred by the ladies.

Tin. Each, \$1.00 (by P. P., \$1.20).

Brass. Each, \$2.00 (by P. P., \$2.20).



CYCLONE HAND SPRAYER

Similar to the above, except they do not have the automatic air reservoir attachment.

No. 112, Tin, large, 50c. (by P. P., 60c.).

No. 114, Brass, \$1.00 (by P. P., \$1.10).

EXTENSION PIPES, ETC.



For reaching into trees; ¾-inch threads.

Bamboo, aluminum tube; 10 feet.....\$4.50

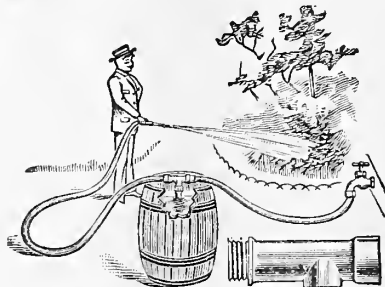
Bamboo, aluminum tube; 12 feet.....4.75

Galv. Iron, 2 ft. (by P. P., 60c.). .50

Brass, 2 ft. (by P. P., 75c.). .65

Pet Cock, for Extension pipes.....1.25

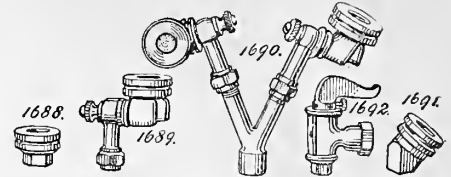
Paragon Extensions, 2½ ft., 60c. each (by P. P., 70c.).



LIQUID MANURE DISTRIBUTOR

This can be attached to hose with which you are watering and connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. \$2.75 each (by P. P., \$2.85).

A complete line of Insect Destroyers will be found on pages 188 and 189.



SPRAY NOZZLES (¾-in. Thread)

If nozzles are wanted by P. P., add 10c. each for postage.

Mistry, Jr., Fig. 1688, Straight style..\$1.25

Mistry, Jr., Fig. 1691, Elbow style....1.25

Mistry, Fig. 1689, Single nozzle, adjustable angle.....1.65

Mistry, Fig. 1690, Double nozzle, adjustable angle.....3.50

Bordeaux Nozzle, Fig. 1692, each....1.00

If nozzles are wanted for ¾-in. hose connections, add 70c. to above prices for Fig. 966 combination.



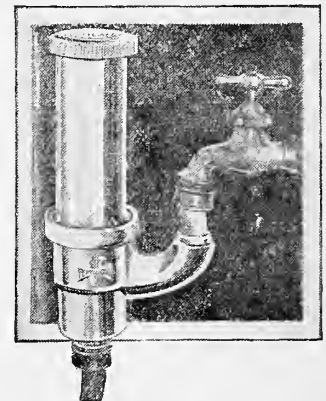
STOTT'S SPRAY NOZZLES

Splendid for spraying underneath foliage.

By P. P.

Single.....\$1.65 \$1.75

Double.....2.75 2.85



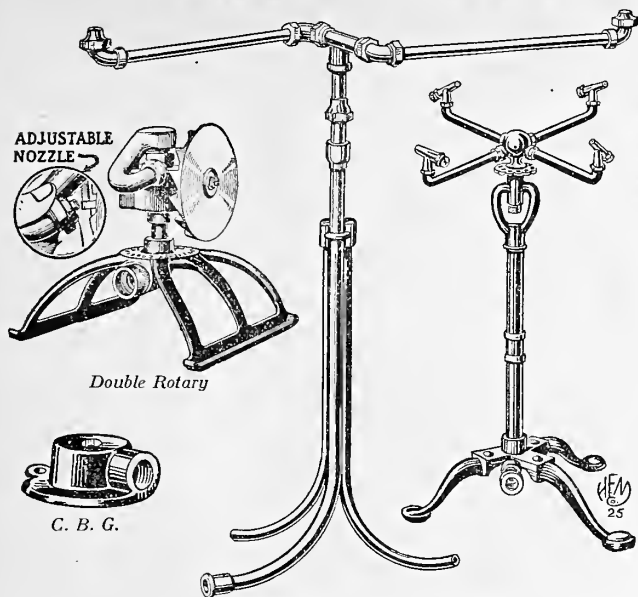
FERTILIZER

Saves Time, Labor and Money

Simply turn on the garden hose and sprinkle the garden—not with plain water, but with a clean, odorless, constant-strength solution of perfectly blended plant food. A new method of fertilizing.

It is a sturdy non-rusting, metal device placed between the hose faucet and hose connection. A special compartment holds a solid cake of concentrated plant food which is dissolved into a fertilizing solution of uniform strength by the water running from the hose faucet.

Fert-O-Stix are completely soluble cakes of plant food, carefully made according to a chemical formula which has been found by test to give the finest all-round results. Fert-O-Stix furnish a solution rich in the necessary nitrogen, phosphoric acid and potash. The Fertilizer makes these elements immediately available for the growing plant. Galvanized Fertilizer with 3 Fert-O-Stix, \$5.00. Fert-O-Stix (½ doz., 6 lbs.), \$2.25.



Double Rotary

C. B. G.

Raining No. A

Giant Rain King

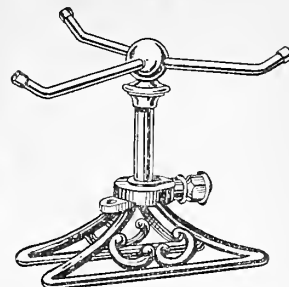

Rainbow
RAINBOW

Sled style, for regular lawns. Price, \$2.25 (by parcel post, \$2.35).

Water Fan
WATER FAN
(Oscillating)

No. 6, covers an area 14 by 50 feet; 22 inches long. Price, \$15.00 (by parcel post, \$15.50).

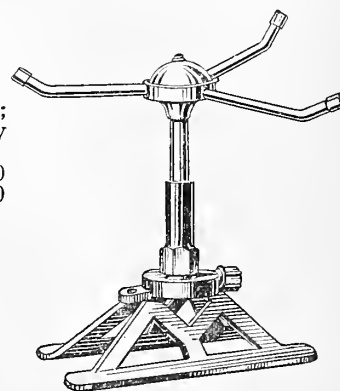
No. 8. Covers an area 24 by 50 feet; 22 inches long. Price, \$18.00 (by parcel post, \$18.50).



Pluvius

PLUVIUS

Height, 11 inches. Price, \$1.75 (by parcel post, \$1.95).



Universal

UNIVERSAL

Height, 11 inches. Price, \$2.75 (by parcel post, \$2.95).

C. B. G. DOUBLE ROTARY

Especially for putting greens; 4 inches high. Price, 40c. (by parcel post 50c.).

RAINING

No. B. For golf courses, putting greens, etc.; 66 inches high, on tripod. Price, \$17.00.

No. A. For golf courses, putting greens, etc.; 42 inches high, adjustable stand. Price, \$13.00 (by parcel post, \$13.50).

No. C. For golf courses, putting greens, etc.; 36 inches high, on stand. Price, \$11.00 (by parcel post, \$11.50).

No. D. For golf courses, putting greens, etc.; 18 in. high. Price, \$8.00 (by parcel post, \$8.25).

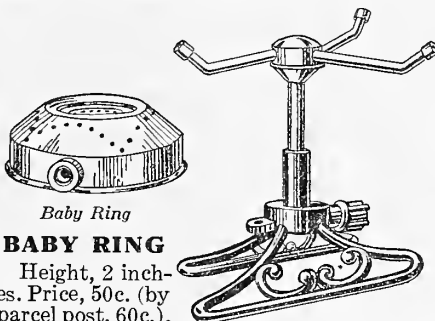


ADJUSTABLE RAIN-DROP

Will throw the water away from the walk while wetting the curb or lawn; will throw water to a distant point and also spread the water 20 to 30 feet, according to the water pressure. Price, \$1.50 (by parcel post, \$1.60).

GIANT RAIN KING

Finished in green enamel with brass fittings; can be set for revolving or stationary sprinkling; will water a circle from 90 feet in diameter down as required; 4 feet high; 20 inch sprinkler arms. Price, \$12.50.



Baby Ring

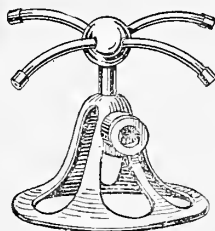
BABY RING

Height, 2 inches. Price, 50c. (by parcel post, 60c.).

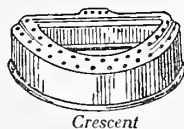
Eureka

EUREKA

Height, 10 inches. Price, \$2.25 (by parcel post, \$2.40).



Enterprise



Crescent

CRESCENT

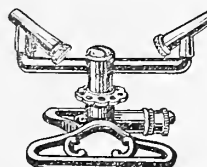
Height, 2 inches. Price, 85c. (by parcel post, 95c.).

ENTERPRISE

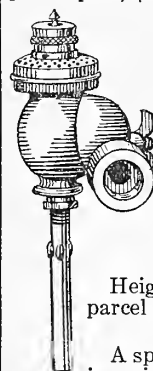
No. 1. Height, 9½ inches; operates best on a pressure of over 25 lbs., covering a diameter of about 12 feet. Price, \$7.25 (by parcel post, \$7.50).

RAIN KING

Waters a small or large circle, 8 to 80 feet in diameter; nozzles turn in any direction and adjust quickly to a fine or coarse spray. Price, \$3.50 (by parcel post, \$3.75).



Rain King



2-Purpose



Waterwitch

Blake

WATERWITCH

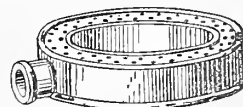
Height, 6 inches. Price, 75c. (by parcel post, 85c.).

BLAKE

A sprinkler head used where there is a pipe system on the lawn or golf course. Price, 40c. each (by parcel post, 45c.); doz., \$4.50 (by parcel post, \$4.65).

TWO PURPOSE

A nozzle and sprinkler combined. Adapted to lawns or gardens of any size. Price, \$2.00 (by parcel post, \$2.10).



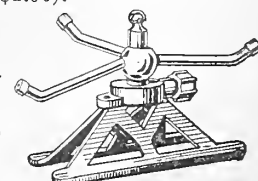
Large Ring

LARGE RING

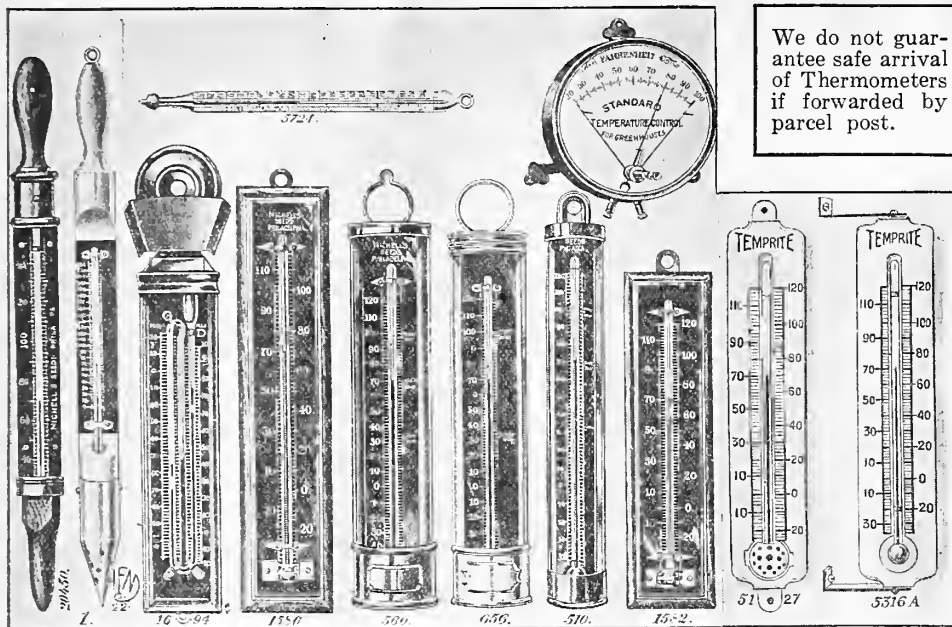
Height, 2 inches. Price, 90c. (by parcel post, \$1.00).

PRESTON

Height, 6½ inches. Price, \$2.00 (by parcel post, \$2.20).



Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here and of the best quality.



We do not guarantee safe arrival of Thermometers if forwarded by parcel post.

THERMOMETERS

No. 1753 (Old No. 1694). Maximum and Minimum. Registers the coldest and the warmest point during the previous night. Price, \$4.50 (by P. P., \$4.75).

TESTED THERMOMETERS

If wanted by Parcel Post, add 10c. each for postage. Each

No. 506—8 inch, Tin Case.....	\$0.85
No. 510—10 inch, Tin Case.....	1.00
No. 556—8 inch, Greenhouse.....	1.00
No. 560—10 inch, Greenhouse.....	1.25
No. 652—8 inch, Genuine Copper Case	2.00
No. 656—10 inch, Genuine Copper Case	2.25
No. 1582—8 inch, Wood Back, Black Scale.....	2.00
No. 1586—10 inch, Wood Back, Black Scale.....	2.25
No. 5127—8 inch, Temprite Greenhouse; white enamel, red column....	1.25 (by P. P., \$1.40).
No. 5316A—8 inch, Temprite Window or wall, white enamel, red column (by P. P., \$1.15).....	1.00

GLASS DAIRY THERMOMETER

No. 5724. For testing milk, etc., also used for soil purposes. 25c. each (by P. P., 35c.).

MUSHROOM OR HOTBED THERMOMETER

No. 20450. Iron Point, oxidized finish, each, \$2.25 (by P. P., \$2.45).

RECORDING THERMOMETER

No. 200. This type of thermometer which can be equipped with either a daily or weekly chart enables one to keep an accurate record of the temperature in his greenhouse during every hour of the day and night; the thermometer is equipped with a high grade clock and ink stylus which marks very accurately. It is an ideal installation; in ordering state if weekly or daily record chart is desired. Price, \$45.00 by express.

ELECTRIC THERMOSTAT

This device can be set to ring an alarm when the temperature goes above or drops below a desired point. All brass. No. GH3, not waterproof style, \$11.50 (by P. P., \$12.00). No. GH4, waterproof style, \$17.50 (by P. P., \$18.00). See illustration above.



PEERLESS GLASS REPAIR CLAMP

For supporting broken lights of glass. Will not rust. Price, \$1.75 per 100 (by P. P., \$1.85).



GLASS CUTTERS

If wanted by Parcel Post, add 10c. each, for postage.

Single Wheel, steel, each.....	\$0.15
6 Wheel, steel, each.....	.40
No. 8 Small Diamond. Ebony handle	5.00
No. 8A Large Diamond. Mahogany handle.....	6.00

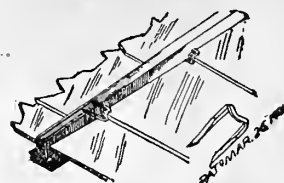
LIQUID GLAZING PUTTY

Superior to ordinary putty, more easily applied and lasting. Can be put on with a putty bulb or mastic machine.

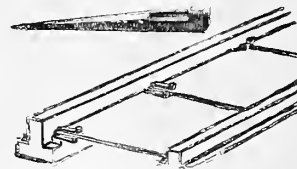
Especially adapted for glazing wood and metal sash. Per gal., \$2.50.

MASTICOTE GLAZING CEMENT

Black. Apply with a mastic machine. Per gal., \$1.75.



Peerless Glazing Point



Siebert's Glazing Point

GLAZING POINTS

Peerless. Three sizes.
No. 1, for single thick glass.
No. 2, for single thick glass.
No. 2½, for double thick glass.
Price, 65c. per 1000 (by P. P., 75c.).
Pincers. For driving Peerless Points, 60c. (by P. P., 70c.).
Siebert Style (Zinc). Made with a prominent head; cannot rust; easily driven. ¾, 1, and 1½ inches long. 50c. per lb. (by P. P., 60c.); 5 lbs., \$2.40 (by P. P., \$2.60). 1000 to 1200 in a lb.
Zinc Glazing Nails. 45c. per lb. (by P. P., 55c.).

MASTICA

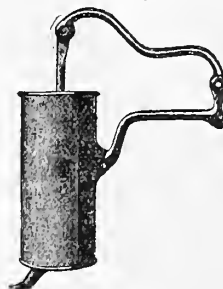
For glazing greenhouses. One gallon will cover about 300 running feet. Gal., \$2.50.

GREENHOUSE PAINT

A superior white paint for sash bars, sash frames, etc. Per gal., \$3.50.

PUTTY DISTRIBUTOR

For distributing putty, mastic, etc. Price, \$1.50 (by P. P., \$1.60).



Mastic Machine



Putty Distributor

MASTICA MACHINE

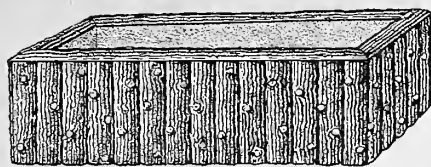
For distributing mastic, etc. Made of heavy zinc. Price, \$3.00 (by P. P., \$3.15).

WEATHERCRAFT GLAZING GUN

For applying liquid glazing putty, mastic, etc., each, \$8.00 (by P. P., \$8.25).

DAYLIGHT GLASS CLEANER

For taking off whitewash shading, etc. Apply with a brush, leave on a few minutes and rinse off with cold water. One gallon will clean 400 to 600 square feet of glass. Per gal., \$2.50; \$10.00 per 5 gals.



Rustic Window Box

WINDOW BOXES

Plain Wood Style (Painted Green). We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last many years.

Length	Depth outside	Width outside	Price
24-inch.....	6½-inch	8-inch	\$1.50
30-inch.....	6½-inch	8-inch	1.75
36-inch.....	6½-inch	8-inch	2.00

Any length made to order, 80c. per running foot, 8 inches wide.

RUSTIC BARK (Cedar)

For covering boxes, columns or any other article. Per sq. ft., 15c.; \$2.75 per 25 sq. ft.; 50 sq. ft., \$5.00.

PERFECTO FLOWER BOXES

Air-Circulating Self-Irrigating

Made of coppered steel, which will neither rust nor deteriorate; finished in enameled green. The self-irrigating system provided by the inner plate, with the raised connecting troughs, equalizes the water into a perfect distribution to the roots.

Length	Depth	Width	Price
26-inch.....	6-inch	7-inch	\$2.25
32-inch.....	6-inch	7-inch	2.65
38-inch.....	6-inch	7-inch	3.15
44-inch.....	6-inch	7-inch	3.65

WINDOW BOXES

Wooden Rustic Bark Style. Attractively made and neatly finished; for indoor or outdoor use.

Length	Depth outside	Width outside	Price
24-inch.....	7½-inch	11-inch	\$1.75
30-inch.....	7½-inch	11-inch	2.25
36-inch.....	7½-inch	11-inch	2.50

Any length made to order, \$1.00 per running foot, 11 inches wide.



Perfecto Flower Box

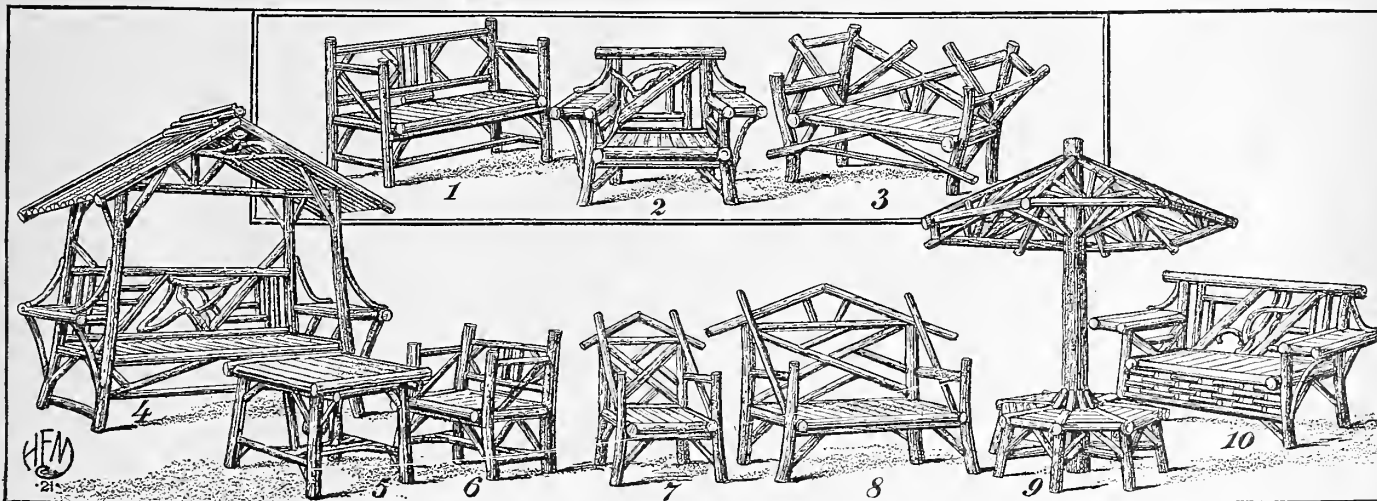
WINDOW BOXES

Savo Self-Watering

The Savo Flower and Plant Boxes are made of the best grade of galvanized steel, with neat round corners and a full roll rim; the watering is easy, the drainage ample, the air circulation perfect. The green enamel finish both inside and out prevents rust or leakage. They will last in constant use many years. Reservoir requires water about every 10 days to two weeks.

	Height	Width	Length	Price
Model A,	6½ in.	6½ in.	23 in.	\$3.25
Model B,	8 in.	9½ in.	29 in.	4.00
Model C,	8 in.	9½ in.	35 in.	4.50
Model D,	8 in.	9½ in.	41 in.	5.00

These are outside measurements, including the ¾-inch roll rim.



RUSTIC PORCH AND GARDEN FURNITURE

A rustic chair, settee, table or canopy add charm to the surroundings of a country home, be it pretentious or modest. Our stock is in good assortment and priced very moderately. We will refer to these in description and price both by number and name so they may readily be identified. We are also in position to make special designs of rustic work, such as summer houses, bridges, etc.

No. 1. **Mission Settee.** 4 ft. long, similar in design and construction to "Klondyke," except it does not have the extended arms. Price, \$11.00.

No. 2. **Klondyke Chair.** Width, 48 inches, including arms; very roomy and comfortable. Price, \$7.00.

No. 3. **Florida Settee.** 4 ft. long; similar to "Elwood" style, except there is a difference in the design of the back. Price, \$5.00.

No. 4. **Canopy Settee.** This is rather an extensive affair, weighing 250 lbs.; is shipped in two sections, but is easily set up; equipped with wide arms which can be used for plant boxes, etc.; will seat 4 persons comfortably. Extremely attractive and will add materially in beautifying the suburban home grounds. Price, \$40.00.

No. 5. **Mission Table.** A table will be found a great convenience in a summer house, on a porch or under the shade of a tree; the top is 28 x 28 inches. Price, \$8.50.

No. 6. **Mission Chair.** The construction of this is like the settee bearing the same name, except it seats one person. Price, \$7.00.

No. 7. **Elwood Chair.** An attractively designed, reasonably priced piece of furniture. Price, \$3.00.

No. 8. **Elwood Settee.** 4 ft. long; made with a high back and apex finish; extra good value for the money. Price, \$5.00.

No. 9. **Japanese Umbrella.** Shipped in two sections, but easily erected; has a large seating capacity. The umbrella design top adds distinctively to its appearance. Can be supplied with a lattice or open top like illustration or with a slab top. Price, with slab roof, \$40.00.

No. 10. **Klondyke Settee.** 5½ ft. long; of attractive design, and made in the most substantial manner. Price, \$11.00.

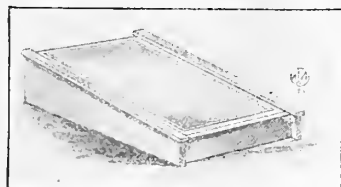
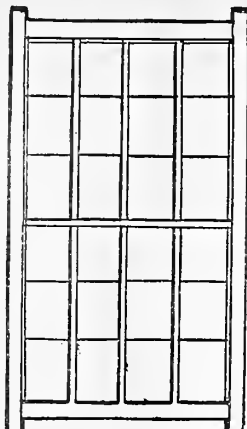
HOT BED SASH

Philadelphia Style. Made of best quality cypress. Size, 3 feet 1½ inches wide, 6 feet long, 1¾ inches thick. Plain, not glazed or painted. Each, \$4.25.

Glazed, including painting and puttying. Each, \$8.00.

Double Glass. Plain, unglazed. Each, \$5.25. Glazed and painted, \$13.25.

Crating Charges on all Glazed Sash, 50c. per sash additional.



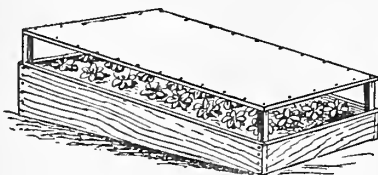
CEL-O-GLASS

The real glass substitute for poultry houses, chicken coops, barns, etc., also takes the place of glass in hot-bed sash. 36 inches wide in any length up to 100 feet. 20c. per square foot. Full rolls at 18c. per sq. ft.

FLEX-O-GLASS

A glazed cloth used in place of glass in poultry houses, hot-beds, greenhouses, etc. Transparent and readily admits light, while at the same time withholding cold, water and wind; 35½ inches wide.

Less than 10 yd. pieces.....50c. per yd.
10-yd. pieces.....45c. " "
25 yds. or more.....40c. " "
Full roll lots (100 yds.).....35c. " "

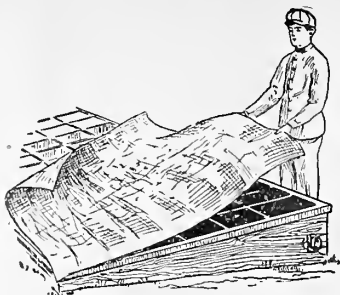


Shading or Protecting Cloth

SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from the sun and at the same time allowing ventilation. Made of brown cloth.

	Yards Per piece	Price Per yard	Price Per piece
Light.....	60	\$0.20	\$11.40
Medium....	50	.25	12.00
Heavy.....	40	.35	13.20



HOTBED MATS

Hotbed mats keep frost and severe cold out of frames. They mean earlier and bigger crops. The Burlap style are the best mats that it is possible to procure. They are padded with shoddy and are practically indestructible.

If Burlap Hot Bed Mats are wanted by P. P., add 50c. per mat for postage.

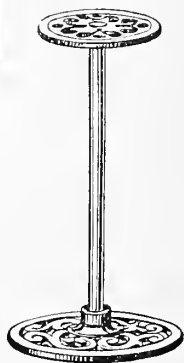
Burlap, Non Waterproof. 76 x 76 inches, covering two regular size sash. Each, \$3.50; \$37.50 per doz.

Burlap, Non Waterproof. 40 x 76 inches, for one sash. Each, \$2.25; \$23.50 per doz.

Burlap one side, Waterproof Drill one side. 76 x 76 inches. \$5.25 each; doz., \$57.50.

Burlap one side, Waterproof Drill one side, 40 x 76 inches. \$3.25 each; doz., \$33.00.

Special sizes of the above mats made to order. Prices on application.



IRON PLANT STANDS

Enameled Green.

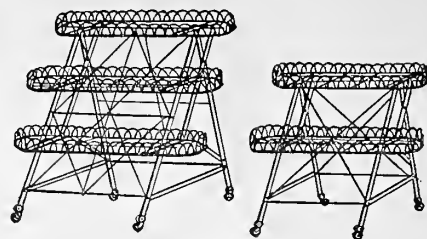
In.	Size of Plates	Each
12	5 x 7	\$1.50
18	5 x 7	2.00
24	8 x 10½	2.50
30	8 x 10½	3.00
36	8 x 10½	3.25
42	8 x 10½	3.30
48	8 x 12	3.50
60	8 x 12	3.60
72	8 x 12	4.00

EXTRA PLATES FOR IRON STANDS

	Each	Each
5 men.....	\$0.55	8 inch.....\$0.90
7 inch.....	.70	10½ inch.....1.00
12 inch, each.....	\$1.10	



Jardiers (See opposite column)



Jones' Plant Stands

WIRE PLANT STANDS

Painted dark green and finished in bronze. Very substantial and will carry most any weight that can be placed on them. We recommend the Jones style, as it is collapsible and takes up very little space when not in use.

	Height	Width	Depth	Price
Jones, 2 shelf..	28-in.	30-in.	21-in.	\$5.00
Jones, 3 shelf..	36-in.	30-in.	22-in.	6.00



Reed Ferneries

REED FERNERIES

Very attractive for interior decoration of living rooms, dining rooms, sun parlors and enclosed porches. All equipped with galvanized tank. Colors, cream, caramel, brown and gray.

No. 1107. Top dimensions, 10 x 29 inches, 30 inches high; finest half round reed. Price, \$8.50.

No. 1115. Top dimensions, 10 x 29 inches, 31½ inches high; flat reed. Price, \$7.50.

No. 1124. Top dimensions, 10 x 29 inches, 30 inches high; closely woven flat reed. Price, \$6.50.

JONES' POT BRACKET

No. 1. Holds 5-inch pot. Each, 60c. (by P. P., 70c.).

No. 2. Holds 6-inch pot. Each, 70c. (by P. P., 80c.).

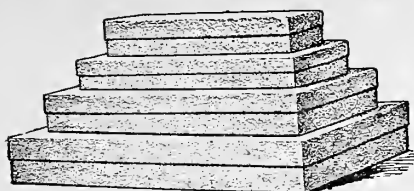
No. 3. Holds 7-inch pot. Each, 85c. (by P. P., 95c.).

JARDIERS

The new water proof pot cover, or flower holder; a distinct novelty. Made of pulp fibre, in attractive designs; artistic, waterproof and durable; colors: Green, Lavender, Ivory and Golden Yellow. Can be used as vases or jardinières.

No.	Each	Doz.
4—for 3½ to 4 in. pots.....	\$0.25	\$2.75
6—for 5 to 6 in. pots.....	.35	4.00

(See illustration opposite.)



CUT FLOWER BOXES CORRUGATED PAPER

These are desirable for shipping cut flowers from country estates to city residences; very durable.

	Each	Doz.
48 x 14 x 8 inch.....	\$0.65	\$6.50
42 x 14 x 8 inch.....	.60	6.00
36 x 14 x 6 inch.....	.55	5.50
30 x 12 x 6 inch.....	.45	4.50
24 x 8 x 5 inch.....	.40	4.00

LIGHT WEIGHT PAPER

Mist green, lined white inside. The sizes offered in this finish are carried in stock; other sizes in this finish, also in manila, mist tan and oxford gray can be supplied on short notice.

L.	W.	D.	Doz.	100
18 x	5 x	3 inch.....	\$0.70	\$4.40
24 x	5 x	3½ inch.....	1.10	7.00
24 x	8 x	4 inch.....	1.30	8.80
28 x	8 x	5 inch.....	2.00	12.20
30 x	10 x	6 inch.....	2.25	16.50
30 x	12 x	7 inch.....	3.00	21.00
36 x	8 x	5 inch.....	2.25	16.50

We can also supply other sizes and styles of boxes.

If wanted by Parcel Post, add 20c. per doz. for postage.

PAPER FOR WRAPPING BOXES AND FLOWERS

	Lb.	½ Rm.	Rm.
Manila. For wrapping..	\$0.20	\$2.25	\$4.00
Manila. Tissue.....	.20	1.00	1.75
Wax. White, 24 x 36 in..	.35	1.65	3.00
Wax. Green, 24 x 36 in..	.40	1.75	3.25

CREPE PAPER

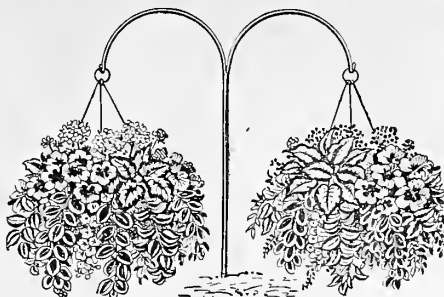
(Waterproof)

Colors, green, red and lavender, 50c. per roll (by parcel post, 55c.).



ROOFING PAPER, ETC.

	Sq. ft.	Per roll
Celery Paper.....	500	\$2.00
Marley Rubber Roofing, 1-ply.108	2.50	
Marley Rubber Roofing, 2-ply.108	3.30	
Marley Rubber Roofing, 3-ply.108	3.50	
Caps for paper. 1 lb., 12c. (by parcel post, 22c.); 5 lbs., 55c. (by parcel post, 75c.).		
Nails for paper. 1 lb., 12c. (by parcel post, 22c.); 5 lbs., 55c. (by parcel post, 75c.).		



BASKET HOOKS

Thoroughly galvanized so they cannot rust.

Single, ⅝-in. thick.....	\$0.90
Double, ⅞-in. thick.....	1.25

These cannot be mailed.



Wire Basket

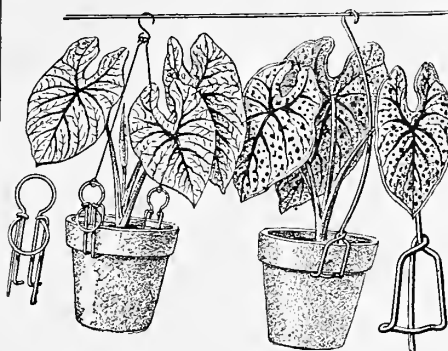
HANGING BASKETS

Galvanized Wire

For greenhouse, porch and conservatory.

Size	Each	Doz.
8 in....	\$0.30	\$3.00
10 in....	.45	4.50
12 in....	.65	6.50
14 in....	.75	7.50
16 in....	.90	9.00

If wanted by P. P., add 10c. per basket or 50c. per doz. for postage.



Krick's

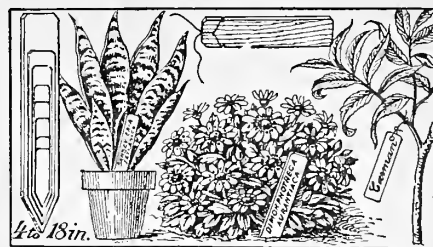
Eureka

POT HANGERS

	Each	Doz.
Krick's No. 1. For 3- to 5-in. pots.....	\$0.07	\$0.60
Krick's No. 2. For 6- and 7-in. pots.....	.08	.70
Krick's No. 3. For 8- to 10-in. pots.....	.09	.80

If wanted by parcel post, add 5c. per doz. for postage.

Eureka. Suitable for any size pot up to 8 inches. Made of galvanized wire. 15 inches long. 15c. each (by P. P., 20c.); \$1.50 per doz. (by P. P., \$1.70); \$10.00 per 100.



TREE LABELS

If wanted by parcel post, add 10c. per 100 and 25c. per 1000 for postage.

	100	1000
Iron Wired. Plain.....	\$0.35	\$2.25
Iron Wired. Painted.....	.40	2.75
Copper Wired. Plain.....	.40	2.75
Copper Wired. Painted....	.50	3.25
Copper Sheet, wired, 30c. doz.; per 100, \$1.75 (by P. P., \$1.85).		
Zinc Sheet, wired, 30c. doz.; per 100, \$1.75 (by P. P., \$1.85).		
Indelible Marking Pencils. Each, 15c.		

PAINTED POT LABELS

	100	By P.P. per 100	1000
4 inch.....	\$0.35	\$0.40	\$2.25
4½ inch.....	.40	.45	2.75
5 inch.....	.45	.50	3.00
6 inch.....	.55	.65	3.50
8 inch.....	1.60	1.70	9.00
10 inch.....	1.75	1.90	11.00
12 inch.....	2.25	2.45	14.00
18 inch, for field use..	5.00	5.25	45.00



SIMPLEX WEATHER- PROOF PLANT LABEL

The material carrying the writing is white celluloid with a specially prepared surface. This is protected by a transparent cover of mica. Marking done with an ordinary lead pencil is not affected by the most severe weather conditions and will last for years; water entering under the cover will not deface the writing. As often as desired, however the pencil marking may be instantly removed with an ordinary rubber eraser, or washed off with soap and water and the label used again repeatedly; indelible pencil or ink should not be used for marking. Simplex Weatherproof Labels are adapted for all outdoor garden records; excellent for roses and other shrubs.

Prices, including copper wires for attaching.

Sizes	Doz.	100
No. 1—3 x ½ inch.....	\$0.50	\$2.50
No. 2—4 x ¾ inch.....	.85	5.00
No. 3—5 x 1 inch.....	1.10	7.50

If wanted by parcel post, add 5c. per doz.; 10c. per 100 for postage.

MICHELL'S PLANT STAKES, WIRE, ETC.

PLANT STAKES

No. 10, Steel Wire, Galvanized

	Doz.	100	1000		Doz.	100	1000
2 foot....	\$0.25	\$1.25	\$ 8.10	4 foot....	\$0.50	\$2.50	\$15.90
2½ " ....	.30	1.60	9.70	4½ " ....	.55	2.75	17.70
3 " ....	.40	2.00	11.80	5 " ....	.65	3.00	19.70
3½ " ....	.45	2.25	13.70	6 " ....	.85	3.50	21.60

No. 8, Steel Wire, Galvanized

For staking American Beauty and other strong-growing roses.

	Doz.	100	1000		Doz.	100	1000
2 foot....	\$0.30	\$1.60	\$11.40	4 foot....	\$0.60	\$3.25	\$22.70
2½ " ....	.40	2.00	14.20	4½ " ....	.65	3.50	25.50
3 " ....	.50	2.25	17.00	5 " ....	.70	3.75	28.30
3½ " ....	.55	3.00	19.90	6 " ....	.95	4.75	34.00

GREEN PAINTED TAPERING PLANT STAKES

	Each	Doz.	100		Each	Doz.	100
1½ foot....	\$0.04	\$0.35	\$2.10	3½ foot....	\$0.11	\$1.15	\$9.00
2 " ....	.06	.55	3.75	4 " ....	.13	1.40	10.50
2½ " ....	.07	.75	5.50	5 " ....	.16	1.85	12.50
3 " ....	.10	1.00	7.00				

GREEN PAINTED ROSE OR DAHLIA STAKES

	Each	Doz.	100		Each	Doz.	100
3 foot....	\$0.13	\$1.44	\$11.00	5 foot....	\$0.22	\$2.50	\$19.00
4 " ....	.17	1.92	15.00	6 " ....	.27	3.10	23.00

SQUARE PAINTED PLANT STAKES

	Each	Doz.	100		Each	Doz.	100
1½ foot....	\$0.04	\$0.35	\$2.10	4 foot....	\$0.15	\$1.40	\$9.75
2 " ....	.05	.55	3.25	5 " ....	.20	2.00	14.00
2½ " ....	.07	.70	4.50	6 " ....	.25	2.50	16.50
3 " ....	.11	1.08	7.50				

HYACINTH STAKES (Wood) Dyed Green

Used for staking hyacinths, tulips and slender plants.

	Doz.	100	1000
5 inch.....	\$0.05	\$0.25	\$1.10
12 " .....	.07	.35	2.00
18 " .....	.10	.45	3.00

JAPANESE CANE STAKES

These are very attractive for all purposes of plant staking; thin and very strong.

Feet	Doz.	100	1000
1½ Green.....	\$0.15	\$0.75	\$4.00
2 " .....	.20	1.00	6.00
2½ " .....	.25	1.25	7.00
3 " .....	.35	1.40	8.00
3½ " .....	.35	1.75	9.00
4 " .....	.40	2.00	10.00
5 " .....	.50	2.25	12.50
6 Natural.....	.40	2.00	12.50

CHINESE

TONKIN BAMBOO STAKES

A heavy, substantial stake for Dahlias, Ivy, young trees, etc.

	Doz.	100
4 feet high, ⅜ inch diameter....	\$0.60	\$3.50
6 feet high, ⅝ to ¾ inch diam..	1.25	9.00

BAMBOO POLES

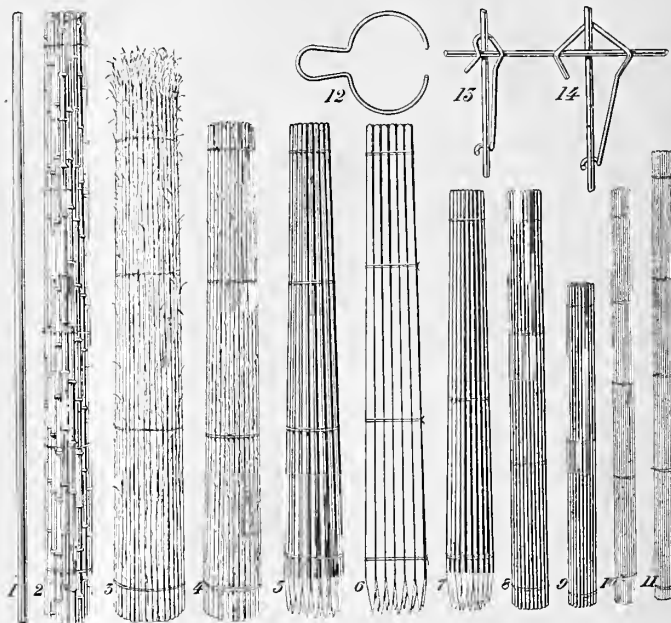
Used extensively for brushing worm casts off Putting Greens, also for staking young trees.

	Each	Doz.	100
16 feet long.....	\$0.25	\$2.50	\$15.00
18 feet long.....	.35	3.25	22.00
20 feet long.....	.45	4.00	27.50

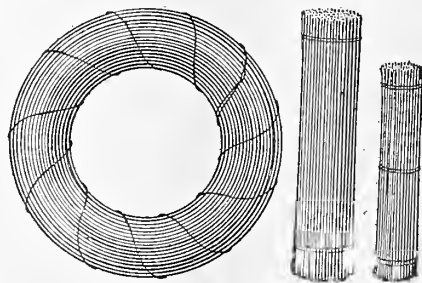
Poles (Wood)

12 feet long, 1¼ inch diam....	Each,	\$2.75
14 feet long, 1½ inch diam....	Each,	3.00

Parcel Post charges cover postage and special packing required.



Key to above illustration: No. 1, Pole for Pruners; No. 2, Bamboo Poles; No. 3, Southern Cane; No. 4, Japanese Cane, natural; No. 5, Dahlia; No. 6, Square; No. 7, Tapering; No. 8, Japanese Cane, green; No. 9, Hyacinth; No. 10, Galvanized Wire; No. 11, Galvanized Wire, No. 8 wire; No. 12, Wire Plant Tie; No. 13, Eureka Stake Fastener; No. 14, Everlasting Stake Fastener.



WIRE

If wanted by parcel post, add 10c. per lb.; 30c. per 12 lbs., for postage.

	Lb.	12-lb.
No. 16. Galvanized.....	\$0.20	\$2.00
No. 18. Galvanized.....	.22	2.10
No. 19. Galvanized.....	.24	2.25
No. 20. Galvanized.....	.26	2.35
No. 22. Galvanized.....	.28	2.40
No. 16. Annealed.....	.18	1.60
No. 18. Annealed.....	.20	1.75
No. 20. Annealed.....	.24	1.85
No. 22. Annealed.....	.26	2.00
No. 24. Annealed.....	.28	2.10

TINNED WIRE

Used for bunching celery, etc.

No. 19, in 10-lb. boxes, cut 8½ inches, 30c. per lb. (by P. P., 40c.); per box, \$2.50 (by P. P., \$2.80).

CUT BOUQUET WIRE

For Stemming Flowers

Cut, 9, 12 or 18 inches in length.

If wanted by parcel post, add 10c. per lb., 30c. per 12 lbs. for postage.

No. 20, 25c. per lb.; per box, 12 lbs....	\$2.25
No. 22, 30c. per lb.; per box, 12 lbs....	2.50
No. 24, 35c. per lb.; per box, 12 lbs....	3.00

LIGHTNING WIRE STAKE TIE

For fastening plants to stakes, either wire or wood; can be used many times.

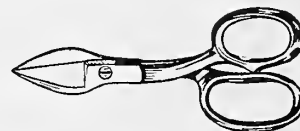
1000 ties in pkg. Price, \$2.50 (by P. P., \$2.60).

STAKE FASTENERS

These take the place of string entirely, lasting several seasons; used for fastening cross wires to galvanized stakes.

If wanted by Parcel Post, add 10c. per 500; 20c. per 1000 for postage.

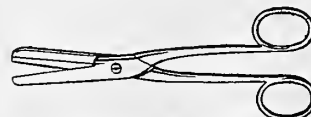
Everlasting Style, heavy.....	500	1000
Eureka Style, light.....	\$2.00	\$3.50
	1.60	3.00



WIRE AND TIN SHEARS

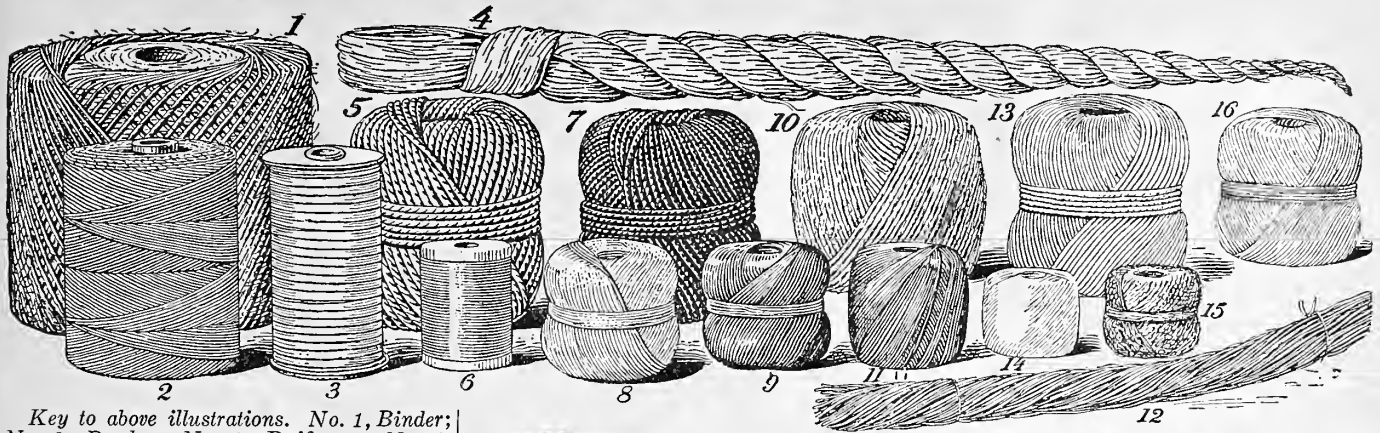
If wanted by Parcel Post, add 10c. each for postage.

No. 833. 7½ inch, used for cut flower wire, etc.....	\$1.10
No. 832. 8 inch, used for cut flower wire, etc.....	1.15
No. 12. 8 inch for heavy wire and tin..	1.35
No. 10. 10 inch for heavy wire and tin.	1.75



FLOWER SCISSORS

No. 1922. Cuts flowers and holds the stem. Price, \$1.75 (by P. P., \$1.90).



Key to above illustrations. No. 1, Binder; No. 2, Peerless; No. 3, Raffiatape; No. 4, Raffia; No. 5, Express; No. 6, Silkline; No. 7, Tarred Marlin; No. 8, Cayuga, Medium; No. 9, Smilax; No. 10, Jute; No. 11, Green Sea Island; No. 12, Tarred Sisal; No. 13, Japanese; No. 14, Special White Cotton; No. 15, Linen Bouquet; No. 16, Cayuga, heavy.

TWINES, ETC.

If wanted by parcel post, add 10c. per lb. for postage.

	Ball	Lb.
No. 108. White Cayuga, Medium.....	\$0.35	\$0.70
No. 208. White Cayuga, Heavy.....	.35	.70
Jute, 2-ply and 3-ply.....	.18	.30
Linen Bouquet.....	.15	.85
Green Sea Island.....	.15	.85
No. 4½. Japanese Twine, Medium heavy.....	.35	
White Cotton, 3-ply.....	.15	.60
Peerless. Color, Nile green..	.90	
Tarred. For mat making....	.35	
Tarred Sisal. For fodder.....	.17	
Binder.....	.22	
Express. Very heavy.....	.30	
Green Silkline. For stringing Smilax and Asparagus, etc. F, fine; FF, medium; FFF, coarse. 35c. per spool; per lb. (8 spools), \$2.60 (by parcel post, \$2.70).		
Smilax Twine (Silkline Substitute). Very similar to the above; fast color. Price, 25c. per spool (by P. P., 30c.); per lb., \$1.50 (by P. P., \$1.60).		

RAFFIA

For tying, basket making and fancy work; very long and fibrous.

Natural Color, 25c. per lb. (by P. P., 35c.); 5 lbs., \$1.20 (by P. P., \$1.40).
Green, 65c. per lb. (by P. P., 75c.); 5 lbs., \$3.00 (by P. P., \$3.20).

RAFFIATAPE

This article is made of a composition of paper and linen and is tremendously strong; it is about 1/8 inch wide and is put up in 250-yard bolts or hanks. This is very desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. Per bolt of 250 yards, 90c. (by P. P., \$1.00); 6 bolts, \$5.00 (by P. P., \$5.25).



AUTOMOBILE HEATERS

These will keep the temperature very comfortable in any closed vehicle during the severest weather.

- No. O.** Single drawer, plain, 14 in. long, \$3.00 each (by parcel post, \$3.25).
No. 7B. 20-in., single drawer, covered with Brussels carpet. \$5.50 each (by parcel post, \$6.00).
No. 10. Three drawers. \$9.00 each (by parcel post, \$9.75).
Coal for automobile heaters. \$1.25 per carton of 20 bricketts (by parcel post, \$1.35); per 100 bricks, \$8.50.

SUNDRIES

- Bulb, Fibre.** Qt., 15c.; 45c. per 1/2 pk.; pk., 75c.; \$1.25 per 1/2 bu.; bu., \$2.00.
Bull Dog Clips. For fastening packages, etc., \$1.25 per box (by P. P., \$1.40).
Carnation Bands (Rubber). For mending bursted calyx. 30c. per oz.; 1/4 lb., \$1.00.
Carnation Clips (Bours). For mending carnations. \$1.00 per 1000 (by P. P. \$1.10).
Carnation Staples (Wire). 50c. per 1000.
Celery Tape. Fast red, in 1000-yard spools, \$5.25 (by P. P., \$5.40).
Charcoal (Lump). For use in potting. Pk., 65c.; \$1.50 per bu.; bbl. sack, \$2.00.
Charcoal (Ground). Coarse, fine and powdered. Per lb., 8c. (by P. P., 18c.); 35c. per 5 lbs. (by P. P., 55c.); 10 lbs., 60c.; \$1.25 per 25 lbs.; 100 lbs., \$4.00.
Glass Cleaner. Per gal., \$2.50; \$10.00 per 5 gals.
Grafting Wax. 1/4 lb., 20c. (by P. P., 25c.); 30c. per 1/2 lb. (by P. P., 35c.); lb., 55c. (by P. P., 65c.).
Moss (Green Lump). Pk., 60c.; \$1.75 per bu.; bbl. bag, \$3.00.

SUNDRIES

(Continued)

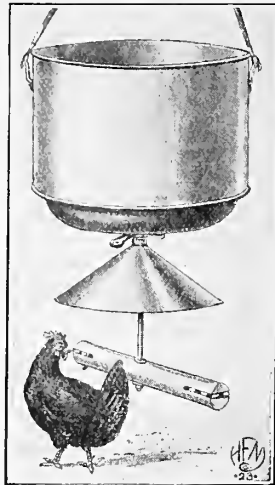
- Moss (Green Sheet).** 1/2 pk., 40c.; 70c. per pk.; bu., \$2.00; \$3.25 per sack.
Moss (Sphagnum, dry). Bbl. bags, \$1.25; \$4.25 per large bale.
Moss (Sphagnum, live). Pk., 50c.; \$1.50 per bu.; bbl., \$3.25.
Peat or Leaf Mould. Pk., 50c.; \$1.50 per bu.; bbl., \$3.25.
Peat (Orchid). Pk., 75c.; \$1.75 per bu.; bbl. bag, \$3.50.
Peat Moss (Imported). Granulated, \$4.00 per bale of about 165 lbs.
Pearl Chips. For bulb bowls, aquariums, etc. Per 1 lb. pkg., 20c.; \$1.10 per 6 pkgs.; 12 pkgs., \$2.00; 5 lbs. pkg., 80c.; \$1.50 per 10 lb. pkg.
Pebbles. Qt., 10c.; 75c. per pk.; bu., \$2.50; \$5.00 per bbl. sack.
Pruning Compound. Per qt., 85c.; \$2.50 per gal.
Sand. For propagating. Per qt., 10c.; 40c. per pk.; bu., \$1.40; \$3.00 per bbl. sack.
Shaderine. For shading greenhouse glass. 5 lbs., \$1.25; \$2.50 per 10 lb. can.
Soil. For potting. Qt., 10c.; 25c. per 1/2 pk.; pk., 40c.; \$1.50 per bu.; bbl. bag, \$3.25.
Tin Foil (Plain). In 5- and 6-inch widths, 1-lb. pkgs., 30c. (by P. P., 40c.); 5 lbs., for \$1.40 (by P. P., \$1.60); 5-inch width in 5-lb. rolls, \$1.40 (by P. P., \$1.60). Green and violet in 1-lb. pkgs., 60c. (by P. P., 70c.).
Toothpicks. Wired. 50c. per 1000; 10,000, \$3.50.
Toothpicks. 4-inch, wired, green; per 1000, \$1.00; \$3.75 per 4500.
Toothpicks. 6-inch, wired, green; per 1000, \$1.20; \$3.30 per 3000.
Tree Paint. Qt., 85c.; \$2.50 per gal.
Weed Killer (Michell's). Qt., 55c.; 90c. per 1/2 gal.; gal., \$1.75; \$6.75 per 5 gals.; 30 gals., \$33.00; \$50.00 for 50 gals.
Weed Killer (Atlas). Non-poisonous. Qt., 75c.; \$1.25 per 1/2 gal.; gal., \$2.00; \$8.00 per 5 gals.; 50 gals., \$55.00.
Zementine. For whitewashing and shading. 2 lbs., 45c.

MICHELL'S RELIABLE POULTRY SUPPLIES

APACO AUTOMATIC FEEDER

The Apaco Feeder, in general design, is built on the same lines as the well-known and justly famous Norwich Automatic Exerciser and Feeder, but is a hanging machine rather than arranged with adjustable standard.

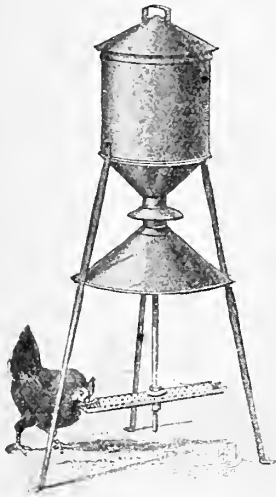
12-qt. capacity, \$2.00 each (by parcel post, \$2.25).



Apaco Feeder

NORWICH AUTOMATIC POULTRY FEEDER

It is but necessary to fill the hopper with such grain as may be desired, filling the feed bar with either cracked corn or wheat, and adjust the valve at the bottom of the hopper to feed in such quantities as desired. Set the machine anywhere in the yard, pen or house, give the feed bar a turn or two and, surprising as it may seem, in ten



Norwich Feeder

to fifteen minutes every hen in the flock will take in the situation and work it. The hopper is rain-proof and dust-proof.

No. 1—8-quart hopper..\$5.00 | No. 3—20-quart hopper..\$6.50
No. 2—14-quart hopper.. 5.50 | No. 4—32-quart hopper.. 7.50

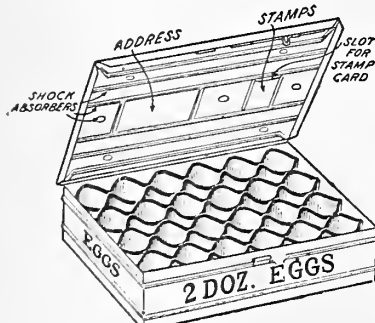
Paper Parcel Post Egg Boxes

Made of strong, corrugated fibre board; light in weight; economical in postage; the eggs are suspended clear of walls, breakage almost negligible.

If wanted by parcel post, add 5c. each; or 25c. per doz. for postage.

Capacity	Each	Doz.	Capacity	Each	Doz.
1 doz.....	\$0.15	\$1.50	3 doz.....	\$0.30	\$3.00
2 doz.....	.25	2.25	4 doz.....	.35	3.50

Metal Egg Shipping Box



Metal Egg Box

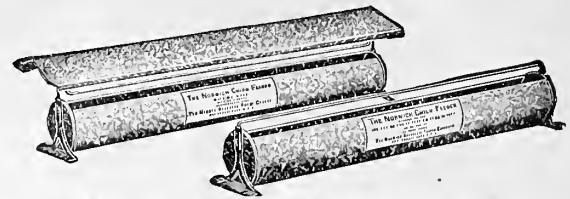
This is the ideal, indestructible box for forwarding household eggs by parcel post or express; can be used indefinitely.

Capacity	Each
1½-dozen capacity.....	\$1.25
2-dozen capacity.....	1.50
3-dozen capacity.....	1.75
4-dozen capacity.....	2.00
6-dozen capacity.....	2.50
9-dozen capacity.....	3.25
12-dozen capacity.....	4.00

If wanted by parcel post, add 15c. per box for mailing.

Extra fillers for	18 egg size,	36c. each (by P. P., 45c.).
" "	for 24 egg size,	48c. each (by P. P., 60c.).
" "	for 36 egg size,	72c. each (by P. P., 85c.).
" "	for 48 egg size,	96c. each (by P. P., \$1.10).
" "	for 60 egg size,	\$1.20 each (by P. P., \$1.35).
" "	for 108 egg size,	\$2.16 each (by P. P., \$2.35).
" "	for 144 egg size,	\$2.88 each (by P. P., \$3.10).

Separating cardboards, 2c. each; address cards, 2c. each.



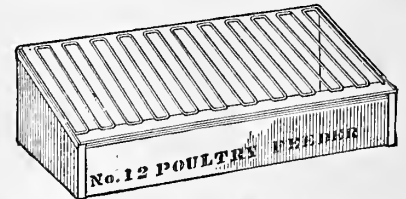
NORWICH CHICK FEEDER

Convex in shape, it is impossible for the chicks to pull out or scatter the feed; the removable guard rod prevents the chicks from getting into the feed. The body is of galvanized steel with ends riveted and burred to malleable iron brackets. 20 inch. Without Rain Top, each..\$0.75 | With Rain Top, each....\$1.00
If wanted by parcel post, add 15c. each for postage.

Grit, Shell and Feed Boxes

No. 1. Medium, Galvanized Iron, with three spaces, 75c. each (by P. P., 90c.).

No. 2. Large, Galvanized Iron, with three spaces, \$1.00 each (by P. P., \$1.15).



FELKER'S No. 12 FEEDER

Designed especially for a small colony of fowl or for chickens. Can be used for any kind of grain feed or mash and is protected from waste by a specially designed brass wire grid. Can be hung on the wall or set on a sill. 12 in. long, 90c. each (by P. P., \$1.05); 24 in. long, \$1.35 each (by P. P., \$1.55).

PHILA. POULTRY FOUNTAIN

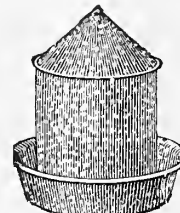
From a sanitary standpoint this is one of the best drinking fountains.

The top or body is detached, it is thus easily cleaned. The cone top prevents roosting. Made of galvanized iron.

Capacity	Each	Capacity	Each
1 qt.....	\$0.30	4 qt.....	\$0.60
2 qt.....	.45	8 qt.....	.85

If wanted by P. P., add 10c. each for postage.

Extra Pans for Philadelphia Founts, 1 qt. size, 15c. each (by P. P., 20c.); doz., \$1.50; 2 qt. size, 20c. each (by P. P., 25c.); doz., \$2.00; 4 qt. size, 25c. each (by P. P., 30c.); doz., \$2.50; 8 qt. size, 30c. each (by P. P., 40c.); doz., \$3.00.



NORWICH AUTOMATIC AIR-LOCK FOUNTAIN

The most perfect device ever placed on the market for automatically supplying pure, fresh water in the poultry house. It is absolutely impossible to contaminate or pollute the water supply, and requires cleaning only about once in three months. Guaranteed frost-proof to 10 degrees below zero, and has been operated at temperatures of fifteen and twenty below without being affected. Fitted with detachable cap, which is also used as a funnel for filling; removable oil chamber, heat generator, etc.

Made in one size only, 5 gallons capacity. Shipping weight, 15 lbs.

Complete, with burner base \$6.00

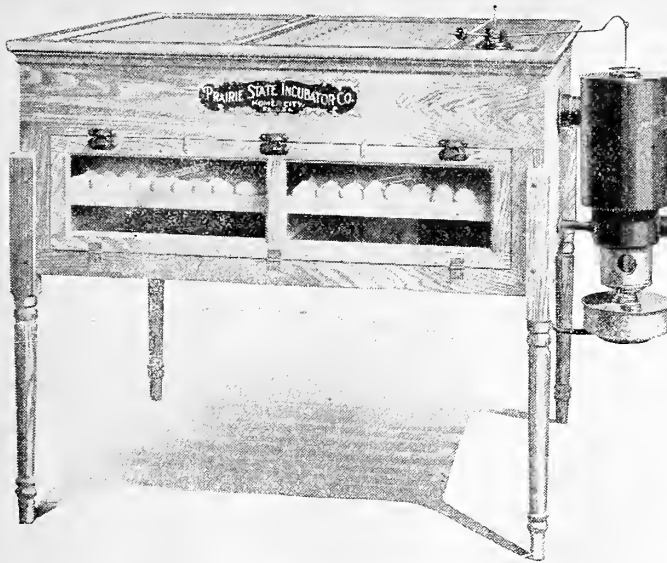
Without burner base..... 3.50

Burner base only..... 3.50

If wanted by P. P., add 35c. each for postage.



Norwich Automatic Air-Lock Fountain



Prairie State Incubator

PRAIRIE STATE INCUBATORS

The Prairie State Incubators have made good since the day of their introduction, which is many years ago; the improvements that have been added are the results of developments which experience has proven to be both practical and successful.

In the building, design and construction of the Prairie State Incubator, every known factor to the present time has been taken into consideration. All Prairie State Incubators are equipped with nurseries.

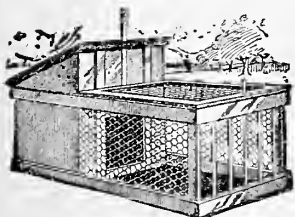
The Prairie State has the diffusive air circulation system and sand tray moisture feature and is as faultless as it is possible to make incubators.

	Hen Egg Capacity	Duck Egg Capacity	Price
No. 0. Diffusive style	100	75	\$30.00
No. 1. Diffusive style	150	100	37.50
No. 2. Diffusive style	240	200	52.50
No. 3. Diffusive style	390	300	67.50

Complete Catalog on Prairie State Incubators and Brooders free on request.

PEEPY GEM HOT WATER INCUBATOR

This is especially designed for the amateur or beginner. It is a wonderful value for the price charged. Very carefully made. Equipped with galvanized water heater and a sensitive thermostat. We can supply this in one size only, 50-egg capacity. Price, \$10.00.



Wigwam Brood Coop

	Length incl. Yard	Width	Height of Coop	Floor Space of Coop	Each
Large	49 in.	22 in.	23 in.	18½ in. x 18½ in.	\$6.50

SEARCHLIGHT EGG TESTER

A portable, electric tester; speedy, accurate, easy to operate; the tester is moved over the eggs, instead of the eggs over the tester, not only saving the handling of the eggs, but the light penetrates at the top where the germ rests. Price, \$5.00.

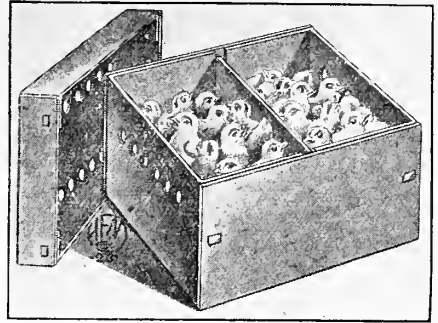


Chick Boxes

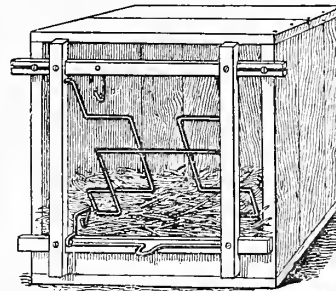
Made of corrugated paper; extensively used; will carry chicks any distance with perfect safety. Are shipped knocked down and take up a small amount of space.

If wanted by parcel post, add 5c. each or 50c per doz. for postage.

Capacity	Size	Each	Doz.
25 Chicks	Size 12 x 6 x 5	\$0.25	\$2.00
50 Chicks	Size 12 x 12 x 5 . . . . .	.35	2.75
100 Chicks	Size 24 x 12 x 5 . . . . .	.45	3.75



GATE TRAP NEST FRONT



A trap worked entirely by the hen, arresting it every time it enters the nest. Of simple construction; cannot get out of order; must last a lifetime; will never frighten a hen. If you use trap nests you can tell which hens are layers and which are drones.

We furnish fronts only, attachable to a square box of suitable size. Each, \$1.00 (by P. P., \$1.15); \$11.00 per doz. (by P. P., \$11.50).

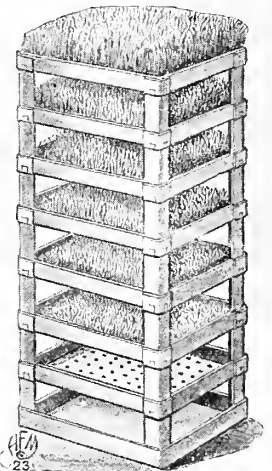
COLLINS OAT SPROUTER

The most practical, quickest growing, perpetual, sectional and fireless Oat Sprouter. The Collins Sprouter is made in units, light individual pans, one pan for each day of the week and a drip pan at the bottom.

The production of eggs and the proper development of growing stock depend upon some form of "green stuff," something that is growing, that has life in it. The feeding of sprouted oats is no longer an experiment. Experience has proven time and again its value as a food for stimulating egg production. Oats sprouted in the right manner furnish food most nearly akin to the fresh green growth of spring time, the prolific laying time of the year.

No. 1—8 Pan 11 x 15 inch	\$4.00
No. 2—5 Pan 11 x 15 inch	3.00
No. 3—8 Pan 11 x 32 inch	8.00

If wanted by parcel post, add 30c. each for postage.



SALT BRICKS

For dairy cows, horses and other animals. Essential to general good health in stables; fastened on the wall it is accessible at all times and remains clean. Per brick, 25c. (by mail, 35c.); \$2.75 per dozen.

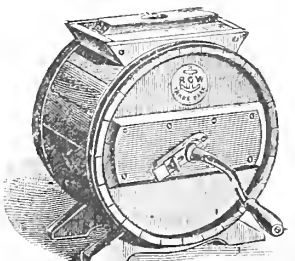
Salt Brick Holders, 50c. each (by P. P., 60c.); doz., \$5.00.



Richmond Butter Churns

First quality white cedar, carefully finished, easily cleaned. You can make butter according to the amount of milk or cream on hand.

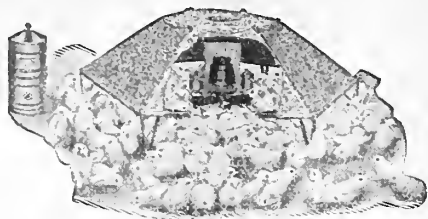
	Each	By P.P.
No. 1. 3 gals.	\$4.25	\$4.50
No. 2. 4 gals.	5.00	5.50
No. 3. 7 gals.	5.50	6.00



Butter Churn

MICHELL'S RELIABLE POULTRY SUPPLIES

THE NEW 1927 MODEL SOL-HOT BROODER

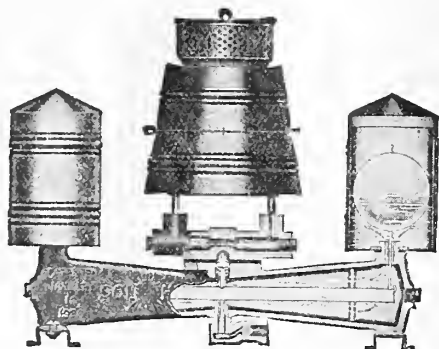


Sol-Hot is the only brooder on the market that has a different size burner for each size canopy. It costs more to build them this way, but it means economy for you.

You take no risk when you order a Sol-Hot

If you are thinking of buying a brooder this season, by all means buy a Sol-Hot—it means so much to you in the way of saving of labor and better results in the rearing of your chicks.

You may be able to buy a brooder that costs a little less money, but based on the better value you get—the more chicks you will raise—the freedom from trouble—the elimination of fire hazard—Sol-Hot is by far the cheapest brooder in the long run.



It's the Twin Float Automatic Oil Level Control

Sol-Hot, with its many years of undisputed leadership, once more steps "Way out in front" this season with the greatest invention ever made for oil-burning Brooders. The patented TWIN-FLOAT Oil Level entirely eliminates the trouble and bother of having to level up the brooder in order to get it to burn properly. Equipped with the New Twin-Float Oil Level, the Sol-Hot Brooder can be set anywhere, regardless of uneven floor conditions. Comes assembled, ready for immediate operation. No leveling of any kind needed.

100 Per Cent Safe

No danger from fire—no trouble—no worry. All you have to do is to put oil in container, prime and light the burner, and turn flame control valve—like knob on gas stove—to height desired. The oil container is connected to the burner with copper tubing. It can be set anywhere, on the floor, on a shelf, high or low—it makes no difference. Burner cannot overflow—cannot go out—the Twin-Float absolutely prevents it. Operating a Sol-Hot is as simple as using a gas stove.

100 Per Cent Efficient

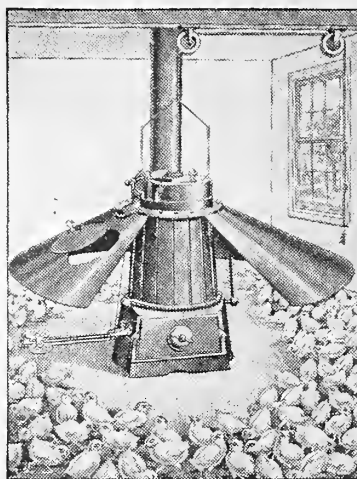
The new 1927 Sol-Hot with its Twin-Float Oil Level is the acme of perfection and simplicity. The Twin-Float automatically maintains proper oil level. Maximum oil height is set at factory. Positively cannot flood. Never requires adjustment. User has only one adjustment to make on the new Sol-Hot. That is the valve regulating flame height. Just a turn of the wrist to lower or raise flame—like a gas stove. You have never before seen a brooder than can even approach the New Sol-Hot for efficiency and simplicity. It means the end of all brooder troubles for poultry raisers.

Prices

Baby, 24 inch Canopy, broods	100 chicks	\$11.50
Standard, 34 inch Canopy, broods	250 chicks	17.00
Standard, 44 inch Canopy, broods	500 chicks	20.50
Standard, 54 inch Canopy, broods	1000 chicks	22.50

Complete descriptive circular on Sol-Hot Brooders free on request.

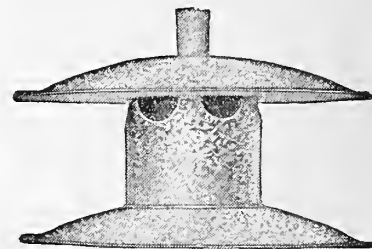
EUREKA COAL STOVE BROODER



This type has a corrugated fire pot claimed to be gas proof; is self regulating and the manufacturer claims you can operate it at a cost of 5 cents per day. It requires no attention except coaling once in 24 or 48 hours according to weather. The "Eureka" is made in Philadelphia and is sold at a very attractive price because the capacity for manufacturing them is large and conditions favorable. Made in two sizes: No. 10, weight 95 lbs., for brooding 500 chicks, \$21.50; No. 20, weight 117 lbs., for brooding 1000 chicks, \$26.50.

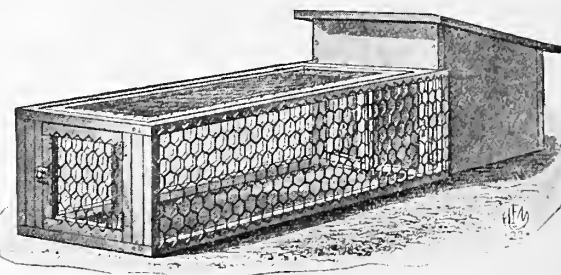
PUTNAM BROODER HEATER

This can be used in any home-made brooder. The heater is so constructed that it acts like an open fireplace, carrying the foul air out and drawing the fresh air in, thus providing perfect ventilation automatically. Heat is radiated from above onto the backs of chicks, giving the natural and soothing effect of the hen, without the lice. The brooder heater is made of brass and galvanized iron and is practically indestructible. Every brooder heater is accompanied by easily followed directions for building the home-made brooder. Price of heater, \$4.75 (by P. P., \$5.00).



LITTLE PUTNAM STOVE

This is used under the drinking vessels of the poultry house to keep the water from freezing in the coldest winter weather. The stove is nine inches in diameter and four inches high; made of galvanized iron and equipped with a burner which embodies an entirely new principle in oil combustion. Combustion is complete and perfect, doubling the heat value of oil. The oil tank holds three pints of oil and burns three to four weeks without refilling or any other attention; the wick never needs trimming. Price, \$1.95 (by P. P., \$2.10).



FARM BROOD COOP

A big, roomy coop that will accommodate a bunch of chicks. Well ventilated; substantially made; shipped knocked down. Made from grooved and tongued lumber, not painted. It is 21 inches wide, 22 inches from front to back, 22 inches high in front, 14 inches high in back. The roof is hinged. Then there is a wire run 38 x 21 x 16 inches. The top is hinged. Price, complete, \$6.25.

Prices of Poultry Food fluctuate constantly and are subject to change.

For Bird Seeds and Supplies see Page 182.

Alfalfa Hay. 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$3.00 per 100 lbs.
Alfalfa Meal. 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$3.00 per 100 lbs.
Animal Regulator (Pratt's). 25c. and 50c. per pkg.
Barley. Per qt., 10c.; 30c. per 4 qts.; pk., 55c.; \$1.90 per bu.
Bone (Coarse Ground). 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$3.25 per 100 lbs.
Bone (Fine Grade). 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$3.25 per 100 lbs.
Bran (Wheat). 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$3.25 per 100 lbs.
Broken Rice. 5 lbs., 45c.; 80c. per 10 lbs.; 25 lbs., \$1.75; \$6.00 per 100 lbs.
Buckwheat. Per qt., 10c.; 35c. per 4 qts.; pk., 60c.; \$2.00 per bu.
Cake Meal. 5 lbs., 45c.; 80c. per 10 lbs.; 25 lbs., \$1.75; \$6.00 per 100 lbs.
Canada Peas. Per qt., 15c.; 50c. per 4 qts.; pk., 90c.; \$3.50 per bu.

Cat Food (Spratt's). Saves the necessity of especially preparing food for tabby. Small carton, 20c.; 35c. per large carton.

Catnip Balls. A plaything and tonic for pussy. 20c. each.

Charcoal. Two grades, *fine* and *coarse*. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$3.25 per 100 lbs.

Chicgrain (Spratt's). 5 lbs., 45c.; 80c. per 10 lbs.; 25 lbs., \$1.75; \$6.00 per 100 lbs.

Chick Food (Michell's). 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.15; \$4.00 per 100 lbs.

Chick Food (Park and Pollard). 5 lbs., 35c.; 65c. per 10 lbs.; 25 lbs., \$1.30; \$4.25 per 100 lbs.

Chick Food (Pratt's). 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$4.50 per 100 lbs.

Chick Manna. Per lb., 15c. (by P. P., 20c.); 40c. per 3 lbs. (by P. P., 50c.); 5 lbs., 60c. (by P. P., 75c.); \$1.65 per 15 lbs.; 60 lbs., \$6.25; \$9.00 per 100 lbs.

Chick Meal (Spratt's No. 5 and No. 3). 5 lbs., 70c.; \$1.25 per 10 lbs.; 25 lbs., \$2.75; \$10.00 per 100 lbs.

Condition Tablets (Pratt's). For relieving colds, catarrh, mild cases of roup, etc. 25c. and 50c. per box.

Conkey's Poultry Tonic. To induce the hen to lay more and larger eggs. 25c. per 1½ lb. pkg. (by P. P., 35c.); 3¼ lbs., 50c. (by P. P., 65c.).

Conkey's Starting Food for Baby Chicks. 5 lbs., 45c.; 80c. per 10 lbs.; 25 lbs., \$1.75; \$6.25 per 100 lbs.

Corn Meal (Special Process). 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.10; \$3.50 per 100 lbs.

Cracked Corn. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.10; \$3.50 per 100 lbs.

Cut Clover Hay. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$4.00 per 100 lbs.

Developing Food (Michell's). 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.15; \$4.00 per 100 lbs.

Dog Cakes (Spratt's). Square shaped; medium pkg., 45c.; 80c. per large pkg.; 25 lbs., \$3.75; \$7.00 per 50 lbs.; 100 lbs., \$13.50.

Dog Cakes (Spratt's Oblong). Pkg., 15c.

Gluten Meal. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$3.50 per 100 lbs.

Grit. Fine, medium and coarse. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.75 per 100 lbs.

Grit (Red Cross Health). For pigeons. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 65c.; \$2.25 per 100 lbs.

Ground Oats. 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$3.50 per 100 lbs.

Growing Food (Park and Pollard). 5 lbs., 35c.; 65c. per 10 lbs.; 25 lbs., \$1.25; \$4.00 per 100 lbs.

Hemp Seed. Per lb., 15c.; 70c. per 5 lbs.; 10 lbs., \$1.30.

Hulled Oats. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.40; \$5.00 per 100 lbs.

Kaffir Corn. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.25; \$4.25 per 100 lbs.

Linseed Meal. 5 lbs., 60c.; \$1.10 per 10 lbs.; 25 lbs., \$2.25; \$8.00 per 100 lbs.

Mash Food (Laying Buttermilk). 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.15; \$4.00 per 100 lbs.

Mash Food (Park and Pollard). 5 lbs., 35c.; 65c. per 5 lbs.; 25 lbs., \$1.25; \$4.00 per 100 lbs.

Mash Food (Growing Buttermilk). 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$4.50 per 100 lbs.

Meat (Prepared). 5 lbs., 40c.; 75c. per 10 lbs.; 25 lbs., \$1.40; \$4.50 per 100 lbs.

Middlings. 5 lbs., 35c.; 65c. per 10 lbs.; 25 lbs., \$1.35; \$4.50 per 100 lbs.

Millet. 5 lbs., 50c.; 90c. per 10 lbs.; 25 lbs., \$2.00; \$6.00 per 100 lbs.

Oat Meal (Pin Head). 5 lbs., 35c.; 70c. per 10 lbs.; 25 lbs., \$1.50; \$5.50 per 100 lbs.

Oyster Shells. Fine and coarse. 5 lbs., 15c.; 30c. per 10 lbs.; 25 lbs., 55c.; \$1.75 per 100 lbs.

Panacea (Drs. Hess and Clark). 1½ lbs., 25c. (by P. P., 35c.); 75c. per 5 lbs. (by P. P., 90c.); 12 lbs., \$1.50 (by P. P., \$1.80); \$3.00 per 25 lbs.

Pheasant Meal (Spratt's). No. 12 Fine; No. 5 Coarse. 5 lbs., 70c.; \$1.25 per 10 lbs.; 25 lbs., \$2.75; \$10.00 per 100 lbs.

Pigeon Food. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$4.75 per 100 lbs.

Poultry Food (Spratt's No. 3). 5 lbs., 70c.; \$1.25 per 10 lbs.; 25 lbs., \$2.75; \$10.00 per 100 lbs.

Poultry or Scratch Food (Michell's). 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.10; \$3.75 per 100 lbs.

Poultry or Scratch Food (Park and Pollard). 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.15; \$3.75 per 100 lbs.

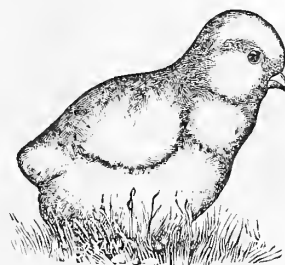
Pratt's Poultry Regulator. Price, 8-oz. package, 12c.; 24-oz., 25c. (by P. P., 35c.); 50c. per 4 lbs. (by P. P., 65c.); 12-lb. bag, \$1.40 (by P. P., \$1.70); \$1.65 per 12-lb. pail; 25 lbs., \$3.00; \$10.00 per 100 lbs.

Puppy Cakes (Spratt's). Medium pkg., 45c.; 80c. per large pkg.; 25 lbs., \$3.95; \$7.50 per 50 lbs.; 100 lbs., \$14.00.

Puppy Cakes (Spratt's Oval). Pkg., 35c.

Sunflower Seed. Per lb., 15c.; 70c. per 5 lbs.; 10 lbs., \$1.35; \$3.25 per 25 lbs.; per 100 lbs., \$12.00.

Vitality Salt (Rigler's). A wonderful builder; keeps fowls strong and healthy; makes chicks grow and mature early. Per ½ lb. pkg., 50c. (by P. P., 55c.); \$1.00 per lb. (by P. P., \$1.10).



MICHELL'S POULTRY REMEDIES, DISINFECTANTS, ETC.



Carbola. An improvement on white-wash, combining the features of a cold water paint and disinfectant; will not rub or chip; not a lime product. 75c. per 5 lbs.; 10 lbs., \$1.25; \$5.00 for 50 lbs.

Carbolineum. A poultry house disinfectant, louse and mite destroyer; insures absolute riddance of the pests if applied but twice a year. Excellent for preserving wood against rot and decay; in gallon cans only. \$1.50 per gal.; 5 gals. for \$7.00.

Chemo. A liquid lice killer that will not discolor the plumage of white poultry. Per gal., \$2.00.

Chicken Pox or Sore Head Remedy (Verdery's). 35c. for 2 ozs. **Condition Tablets** (Pratt's). 25c. and 50c. per pkg. (by P. P., add 10c. extra).

Conkey's Canker Special. A wonderful and effective remedy. 50c. per pkg. (by P. P., 60c.).

Conkey's Cholera Cure. 25c. and 50c. per pkg. (by P. P., add 10c. extra).

Conkey's Chicken Pox Remedy. 25c. and 50c. per pkg. (by P. P., add 10c. extra).

Conkey's Gape Cure. For young chicks. 50c. per pkg. (by P. P., 10c. extra).

Conkey's Lice Fix. For destroying mites, lice, etc. 25c. and 50c. per pkg. (by P. P., add 10c. extra).

Conkey's Mite Liquid. For painting roosts, poultry houses, spraying nests and general vermin cleaning, etc. Qt., 60c.; 90c. per ½ gal.; per gal., \$1.50.

Conkey's Lice Powder. A sure destroyer. 25c., 50c. and \$1.40 per pkg. (by P. P., 10c. extra).

Conkey's Nox-i-cide. A germ destroyer, which will keep the poultry house in a pure, sanitary condition, destroy all germs and drive out the lice and mites. 50c. per pt.; qt., 80c.; \$1.30 for 2 qts.; gal., \$2.00.

Conkey's Roup Cure. The most widely used of the roup remedies; administered in the drinking water. 30c., 60c. and \$1.20 per box (by P. P., add 10c. extra).

Conkey's Scaly Leg Remedy. A sure cure. 25c. per pkg. (by P. P., 10c. extra).

Conkey's White Diarrhoea Cure. For little chicks; results always satisfactory. 30c. and 60c. per package (by P. P., 10c. extra).

Death to Lice (Lambert's). For dusting fowls and nests. The most effective chicken lice exterminator in existence. 5-oz. size, 10c.; 25c. for 15 ozs. (by P. P., 30c.); 48 ozs., 50c. (by P. P., 65c.); \$1.00 per 100-oz. pkg. (by P. P., \$1.35).

Death to Lice Ointment (Lambert's). A salve or ointment used on the heads of newly-hatched chicks. It drives away lice instantly. 10c. and 25c. per box (by P. P., add 10c. extra).



MICHELL'S RECLEANED BIRD

If Bird Seeds, Etc., are wanted by Parcel Post, add for postage as follows: 10c. for 1 lb.; 20c. for 5 lbs.; 30c. for 10 lbs.

Bird Manna. Keeps Canary birds in prime condition and prevents the loss of song. Pkg., 15c.

Canary Seed (*Plain Sicily*). Recleaned and of splendid quality. Per lb., 20c.; 90c. per 5 lbs.; 10 lbs., \$1.65.

Canary Seed (*Mixed*). A mixture of the finest quality and in proper proportions. Per lb., 20c.; 90c. per 5 lbs.; 10 lbs., \$1.65.

Catnip Balls. A plaything and tonic for pussy. 20c. each.

Cuttle Fish Bone. Good for digestion and general health. Each 5c.; 20c. per ¼ lb.; per lb., 60c.

Cuttle Fish Bone. With holder for fastening to cage. 10c. each (by P. P., 15c.).

Fish Food. Granular and wafer form. Per pkg., 15c.

Hemp Seed. Birds are very fond of this seed; it is rich and should be fed with discretion. Lb., 15c.; 5 lbs., 70c.; 10 lbs., \$1.30.

Lettuce Seed. A slight sprinkle of this is much relished by canaries. Oz., 5c.; ¼ lb., 10c.; 30c. per lb.

Gape Worm Extractors. Two styles: *Hallowell*, made of German silver and horse hair, 10c. each. *Pilling*, made entirely of German silver, 25c. each (by P. P., add 5c. extra).

Germozone. The standard remedy for the prevention and cure of most every ill that affects poultry, such as roup, cholera, bowel complaint, diarrhoea, sore head, gapes, etc. In tablet form, 75c. (by P. P., 85c.).

Lice Expelling Nest Eggs. These are made of naphthaline and are an ideal substitute for the natural egg, which they closely resemble. 6c. each; per doz., 65c.; \$4.50 per 100.

Oculum. For cholera, roup and diarrhoea. May be used on chicks and grown fowls with equal success. 50c. and \$1.00 per bottle (by P. P., add 10c. extra).

Pratt's Disinfectant. For spraying poultry houses, stables, etc. It gets rid of lice and mites and keeps poultry houses clean and healthy. Pt., 35c.; 55c. per qt.; ½ gal., 90c.; \$1.50 per gal.; 5 gals., \$7.00.

Pratt's Lice Powder. For dusting nests, fowls, chicks, etc.; quickly kills the lice. 12c., 25c. and 50c. per box (by P. P., add 10c. extra).

Pratt's Roup Remedy (*Pills*). For roup, canker, catarrh and diphtheria. As a preventative it is unsurpassed. 25c., 50c. and \$1.00 per box (by P. P., add 10c. extra).

Pratt's Sore Head Remedy. A sure, rapid cure for the dreaded disease known as sore head or chicken pox. 30c. and 60c. per box (by P. P., add 10c. extra).

Pratt's White Diarrhoea Remedy. For baby chicks; keep the germs of the disease from becoming active by using this remedy. 25c. and 50c. (by P. P., add 10c. extra).

Roup Syringe. For administering liquid roup remedies in the nostrils or throat. Price, 15c. each (by P. P., 20c.).

Spratt's Dog Soap. Entirely free from poison, and at the same time most effective in the destruction of lice and fleas. 25c. per cake (by P. P., 35c.).

Sulphur Candles. Large size, 25c. each (by P. P., 30c.); doz., \$2.75. Small size, 15c. each (by P. P., 20c.); doz., \$1.65.

Tobacco Dust. For dusting on roosts, nests, etc., to keep away vermin. Carton with sifter top, 25c.; 5 lbs. for 40c.; 60c. for 10 lbs.; 25 lbs., \$1.35; \$2.50 per 50 lbs.; 100 lbs., \$4.75.

Tobacco Stems. For making nests, etc. 1 lb., 10c.; 30c. for 5 lbs.; 10 lbs., 50c.; \$1.00 per 25 lbs.; large bales of about 250 lbs., at 2c. per lb.; per ½ ton, \$15.00; \$27.50 per ton.

Whiting's Roupene. An infallible preventive and sure cure for all cases of roup, canker, diphtheria, chicken pox or sore head, gapes, colds and all diseases of the respiratory organs of fowls or pigeons. Will cure dogs of the sniffles. Price, 50c. and \$1.00 per bottle (by P. P., add 10c. extra).

Whiting's White Diarrhoea Remedy. 50c. and \$1.00 per bottle (by P. P., 10c. extra).

Zenoleum Liquid. Dilute one part Zenoleum to one hundred parts water. It is non-poisonous and is not irritating or inflammable. Should be used freely around barns and poultry houses. Zenoleum is a concentrated solution of coal tar. It is mixed with hot or cold water, making a perfect emulsion that requires no boiling or stilling. 8 ozs., 50c.; 75c. per qt.; ½ gal., \$1.25; \$2.00 per gal.; 5 gal. can, \$9.50.

SEEDS, PET SUPPLIES, ETC.

Maw Seed. Calculated to improve the song of canaries, etc. ¼ lb., 10c.; lb., 25c.; 5 lbs., \$1.10.

Millet Seed (*Imported*). Recleaned seed; nutritious and appetizing. Lb., 12c.; 5 lbs., 55c.; 10 lbs., \$1.00.

Parrot Food (Spratt's). 20c. pkg. (by P. P., 25c.); \$2.00 per doz. pkgs.

Rape Seed. Will keep the birds in excellent condition; feed with canary seed. Lb., 15c.; 5 lbs., 70c.; 10 lbs., \$1.30.

Sand. For bird cages. Red, fine. Pkg., 10c. (by P. P., 20c.); \$1.00 per doz. pkgs.

Sand. Silver, fine. Pkg., 10c. (by P. P., 20c.); \$1.00 per doz.

Sand or Gravel. Silver, coarse; for parrots' cages. 10c. per pkg. (by P. P., 20c.); doz. pkgs., \$1.00.

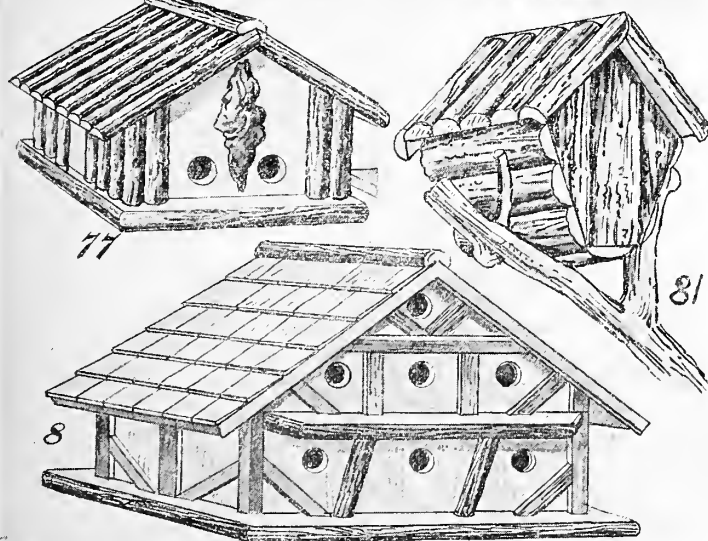
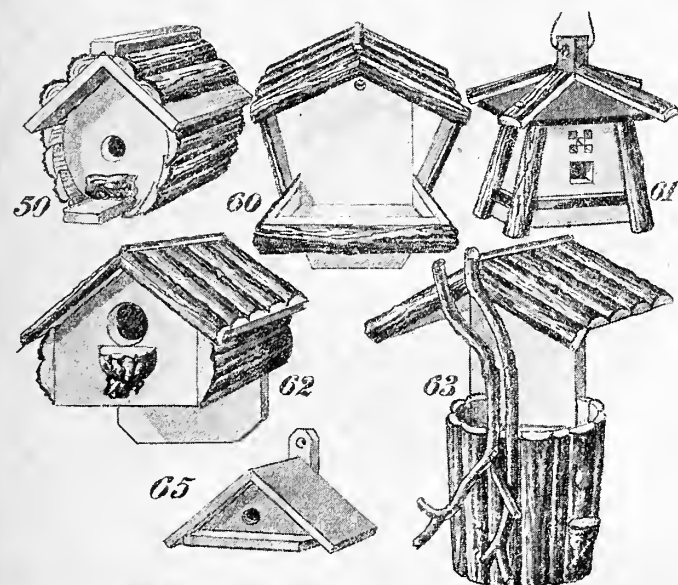
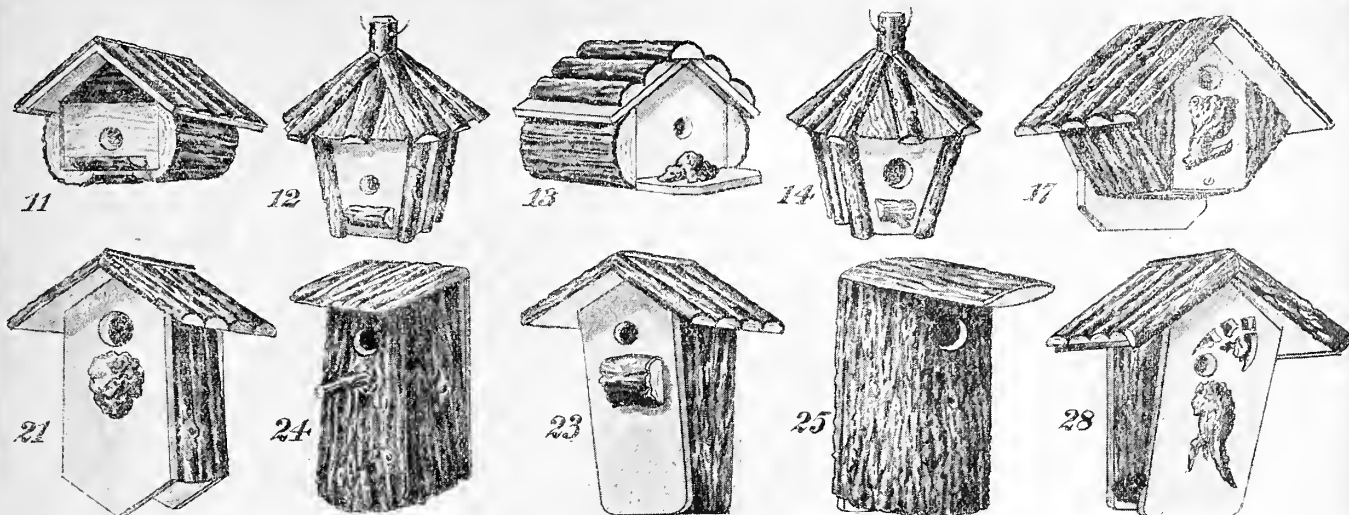
Song Restorer. For Canaries; revives the desire to be lively and sing more lustily. Price, 15c. per bottle; doz., \$1.50.

Spratt's Sing Song. A tonic and song restorer. Pkg., 15c.

Sunflower Seed. We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 15c. per lb.; 70c. per 5 lbs.; 10 lbs., \$1.35; \$3.25 for 25 lbs.

Unhulled Rice. Lb., 20c.; 5 lbs., 75c.; 10 lbs., \$1.35.

Prices on Bird Seed in larger quantities quoted on application.



Comparatively few of us recognize the great economic value of birds. Particularly the blue birds, house wrens and martins are very easily domesticated. Their favorite nesting sites are bird houses made for their use which may be placed about in the garden and farm or in orchards. As rent, these grateful birds pay amply, destroying millions of insects annually. If you put up bird houses in the autumn or before the birds arrive in the spring you may be able to keep birds with you all winter if you provide them with shelter and food.

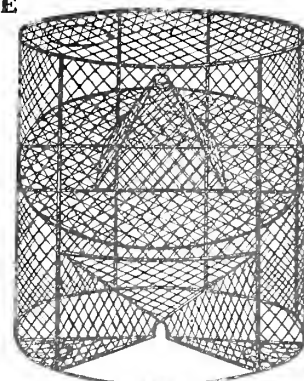
No.		Price Each	P. Post Each
8.	Martin House. 14 room (not mailable).	\$18.00	
11.	Wren House.....	1.75	\$2.00
12.	Wren House.....	1.75	2.00
13.	Wren House.....	1.75	2.00
14.	Wren or Bluebird House.....	1.75	2.00
17.	Wren House.....	1.50	1.75
21.	Bluebird House.....	1.75	2.00
23.	Wren House.....	1.75	2.00
24.	Wren House.....	1.75	2.00
25.	For Woodpeckers, Chickadees, Nut hatches, etc.....	1.75	2.00
28.	Wren House Beautiful.....	2.00	2.25
50.	Wren House. Swinging.....	1.50	1.75
60.	Robin House.....	1.75	2.00
61.	Wren House. Swinging.....	1.75	2.00
62.	Bluebird House.....	1.75	2.00
63.	Wren and Robin House.....	2.25	2.50
65.	Maryland Wren Box.....	.50	.70
77.	Martin House. 4 room.....	5.00	5.60

81. SQUIRREL HOUSE

The trouble with the ordinary squirrel houses is, that all sorts of birds will try to build in them, particularly the sparrow. This house is arranged so that no birds will try to use it, the hole is on the bottom. A narrow passage leads up to another opening leading over into a snug room for the squirrel's storehouse and nesting place. Put high up in crotch of a tree. Price, \$5.50 (by P. P., \$6.00).

SPARROW TRAP (Wire)

We have tried this out and found it to be the best trap made. Scatter a little cracked corn and set trap right over it. You'll be surprised at the catch. \$6.00 each (by P. P., \$6.50).



MICHELL'S HORTOBACCO

THE FERTILIZER THAT PUTS ONE OVER ON NATURE

Protection and Fertilization all in one.

A Tobacco Base Insecticide and Fertilizer.

For lawns it is a quick-acting fertilizer that supplies Nitrogen and phosphoric acid, and adds humus to the soil.

For flowers and vegetables a dandy mulch and insecticide; keeps down aphids and drives away many other pests; gives just enough potash to induce root growth and produce that healthy color to lawns, plant foliage, bloom, and fruit. It contains no filler; every ounce available; no waste.

Nothing better to use as a winter and spring top dressing for your lawn; apply at the rate of 1000 lbs. per acre:

By P. P.

5 lbs.....	\$0.25	\$0.45	100 lbs.....	\$3.00
10 lbs.....	.45	.75	500 lbs.....	13.00
25 lbs.....	1.00		½ ton.....	26.00
50 lbs.....	1.75		Ton.....	50.00



OLD GARDENER COMPLETE FERTILIZER (With Lime)

Old Gardener is a complete, quick-acting fertilizer, containing in concentrated form the plant-foods and soil-sweeteners used by professional gardeners and florists. It stimulates all plants into quicker and more vigorous growth, increases production, and sweetens and refreshes the soil. It is particularly effective on lawns, being quick-acting as well as permanently beneficial. In the garden it produces larger, finer crops of vegetables and larger, brighter colored flowers. Being clean and odorless, it is especially adapted for indoor use, and produces amazing results with ferns, pot-plants, and window-boxes.

There is no need of using coarse, odorous fertilizers on lawns and gardens. Old Gardener is absolutely clean and odorless, and contains every element needed for healthy plant-growth—3 per cent available ammonia, 10 per cent available phosphoric acid, and 4 per cent available potash minimum guaranteed; also contains over 20 per cent of soluble marl lime, making it doubly beneficial as a fertilizer and soil corrective.

Old Gardener is put up in tight cans and bags in the following handy sizes:

By P. P.

1-lb. can.....	\$0.25	\$0.35	25-lb. bag	\$2.00
5-lb. bag .....	.65	.85	50-lb. bag	3.50
10-lb. bag	1.00	1.30	100-lb. Sack	5.50



SMITH'S

SMITH'S MUM-MANURE

A perfect food for Mums and other flowers, either under glass or in the garden.

An excellent top dressing for Carnations and Roses.

As a top dressing, it should be applied after plants have been potted up or put in the benches, half pound to the square yard; it can also be used with excellent results as a liquid manure, one ounce to a gallon of water.

Smith's Mum-Manure goes farther per pound and gives results superior to imported manures which cost far more. Not on Chrysanthemums only, but also for Roses, Carnations, Sweet Peas, Cinerarias, Primulas, Stocks and other greenhouse plants.

50 lb. bag, \$5.50; \$10.00 per 100 lb. bag.



FLORANID UREA (BASF) ORGANIC NITROGEN FERTILIZER

CLEAN

ODORLESS

STAINLESS

For Flowers, Vegetables, Small Fruits, Hedges, Shrubs, Lawns, Ornamental and Fruit Trees.

FLORANID is the purest and most highly concentrated nitrogenous plant food. It is fully and quickly available, a neutral, organic fertilizer which leaves no residue in the soil. It does not leach from the soil and its effect is lasting throughout the season, often longer. It produces larger and more brilliant flowers and many more blossoms on the plants; it produces rich colored foliage and vigorous growth, increasing the yield and quality of vegetables and fruits. Lawns treated with Floranid will develop a thick velvety turf, crowding out clover and weeds. Used dry or in solution.

One pound is sufficient for 250 square feet of surface. A level teaspoonful makes a gallon of liquid fertilizer.

Price: Half-pound tin, 50c. (by parcel post, 60c.); One-pound tin, 75c. (by parcel post, 85c.); Fifty-pound bags, \$12.50 f. o. b. Philadelphia; f. o. b. New York, \$12.00.



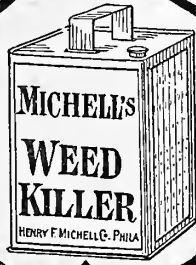
MICHELL'S WEED KILLER 185



Positively destroys every kind of weed and vegetation wherever applied.

One application is usually required yearly; add 40 gallons of water to one gallon of weed killer, then sprinkle the solution upon the vegetation you wish destroyed.

One gallon will cover 150 sq. yds.; can be applied any time. It will do better work with less labor than the old way.



THIS MAKES THE DIFFERENCE.



Just the thing for driveways, clay tennis courts, baseball diamonds, drives and walks where you want no weeds.

Weed Killer cannot be used in the garden, flower beds or on the lawn where you want to grow plants and grass.

Qt.....	\$0.55	5 gals.....	\$ 6.75
1/2 gal.....	.90	30 gals.....	33.00
Gal.....	1.75	50 gals.....	50.00

Weed Killer is not mailable.

CLIMAX LAWN SAND. KILLS WEEDS IN THE LAWN



This is a combination of finely ground chemicals, which, when sprinkled over the grass, possess the remarkable property of destroying Moss, Chickweed, Plantains, Dandelion, and all other weeds on Lawns, Tennis Courts, Golf Greens, etc., at the same time promoting the growth of the finer grasses. It may be applied any time during the growing season of the year. The lawn must be absolutely dry. Ten to twelve a. m. during the months of April, May and October, nine to twelve a. m. during June, July, August and September are the best hours for application. Only apply in fine weather when the temperature is fairly high and when no rain appears likely for a day or two. **This is most important.** It acts as a powerful fertilizer for grasses if applied as a top-dressing in the early spring. For top dressing as a fertilizer apply 1/4 ton per acre.

Quantity Required as a Weed Destroyer		Price	By P. P.
3 1/2 lbs. will dress	150 square feet.....	\$0.75	\$0.90
7 lbs. will dress	250 square feet.....	1.35	1.60
14 lbs. will dress	500 square feet.....	2.50	2.90
28 lbs. will dress	1000 square feet.....	4.00	By express
56 lbs. will dress	2000 square feet.....	6.50	or freight
112 lbs. will dress	4000 square feet.....	12.50	collect.

JAPANESE BEETLE SPRAY "WHIZ"

HARMLESS TO HUMANS AND VEGETATION

Formula Authorized and Approved by U. S. Dept. of Agriculture

Whiz, Japanese Beetle Spray, is the result of long laboratory research and two years of practical experience in its actual use. Unlike some compounds made for similar purposes, there are no dangers attending its use. It is non-inflammable and is not injurious to any type of vegetation if used at the dilution recommended. It is non-poisonous to human beings and may be sprayed with safety on all types of fruit.

Whiz Japanese Beetle Spray may also be used for killing other insects such as plant lice, rose bugs, potato bugs, etc.

It is sold only in concentrated form and should never be used until diluted with fifteen parts of water to one part of concentrated spray. A quart can will make four gallons of spray ready for use. The diluted solution should be sprayed directly on the beetles. Whiz Japanese Beetle Spray KILLS beetles by direct contact; it does not merely repel them. Price, \$1.25 per qt.



STIM-U-PLANT

PLANT STIMULANT TABLET

The Magic Fertilizer in Tablet Form

Stim-U-Plant is the only complete plant food in tablet form. Guaranteed analysis 11 per cent Nitrogen, 12 per cent Phosphoric Acid, 15 per cent Potash—all of which elements are water-soluble and immediately available to the feeding root-hairs of the plant.

1. They give an EXACT FEEDING UNIT.
2. No MESSY MIXING.

GLORIOUS GARDENS PERFECT HOUSE PLANTS
TABLET FORM OF GREAT VALUE

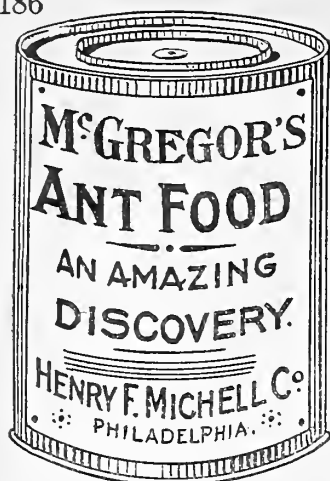
3. No UNPLEASANT ODOR.
4. MAXIMUM EFFICIENCY because no food-value lost in scattering, leaching, or run-off of soil surface-water.
5. Makes REPOTTING of plants UNNECESSARY as it replaces the food withdrawn by the growing plant.

Simply insert tablets in soil about 3 inches from stem of plant, or dissolve in water at the rate of four tablets to the gallon and apply as liquid manure. Complete directions with every package.

Order Stim-U-Plant tablets with your seed and plant order. Price: Per pkg. of 30 tablets, 25c. (by parcel post, 30c.); 75c. per pkg. of 100 tablets (by parcel post, 85c.); 1000 tablets, \$3.50 (by parcel post, \$3.65).

ALL PRICES SUBJECT TO MARKET CHANGES

(oi)



Macgregor's Ant Food

(Patent pending)

An Amazing Discovery!

Kills Ants, Cock Roaches, Wood Lice, Snails, and certain other insects

Green-Keepers of the leading Golf Courses and hundreds of great commercial growers throughout the country feel a steadfast comfort by having at their call the use of Macgregor's Ant Food, for they realize that it is a sure-fire weapon to use against the above pests.

Macgregor's Ant Food is by no means untried. It has withstood many great tests of its ability. Through one of these tests it has won the indorsement of the E. I. duPont de Nemours Company, many leading Golf Courses, many of the greatest private estates and commercial growers.

Per ½ lb., 50c. (by parcel post, 60c.); \$1.00 per lb., (by parcel post, \$1.10); 5 lbs., \$4.75 (by parcel post, \$5.00); \$9.00 per 10 lbs. (by parcel post, \$9.35); 25 lbs. \$21.85; \$42.50 per 50 lbs., 100 lbs., \$80.00.

Niagara "Six Little Dusts"

The Garden Police

ARRESTS DISEASE AND KILLS BUGS

Dusting is the fastest, simplest, cleanest, most effective means available for cleaning your garden of its pests. It is easy to select the correct dust to use from "Niagara Six Little Dusts" by glancing at the chart opposite. Dust the plants every week at least; this will insure clean, healthy plants.

No.	1 lb. Container	No.	1 lb. Container
1. Entodust.....	\$0.40	4. Pomodust.....	\$0.35
2. A-1 Dust.....	.60	5. D-20 Dust.....	.50
3. D-6 Dust.....	.45	6. All-in-One Dust.....	.60



READ THIS TABLE AND SELECT PROPER DUST TO BUY

Pest to Control	Dust to Use	
	Flowers and Shrubs	Vegetables
Beetles, worms, caterpillars and other leaf eating insects.	No. 1 Entodust.	No. 1 Entodust.
Aphis (plant lice), plant flies and other sucking insects. For fumigating greenhouses and conservatories.	No. 2 A-1 Dust.	No. 2 A-1 Dust.
Many mildews, blights, fungus troubles.	No. 4 Pomodust.	No. 3 D-6 Dust.
Many mildews, blights, fungus troubles, and to kill worms, caterpillars, beetles, chewing insects—(a combination dust.)	No. 4 Pomodust.	No. 5 D-20 Dust.
A good dust to use to keep up general good health, prevent disease and attacks of Insect Pests.	No. 6 All-in-One Dust.	



VOLCK A Powerful Insecticide

Volck is a spray for Scale Insects, Mealy Bugs, White Flies, Red Spiders, Rust Mites and similar insects. It is unique in the fact that it is used on tender plants in leaf with perfect safety; this factor also makes it a suitable spray for all kinds of plants, flowers, vegetables, berries, shrubs, etc. It not only kills the insects, but acts as a repellent.

FOR CORRECT PRICES SEE PAGE 189

Prices: 40c. per ½ pt.; pt., 50c.; 80c. per qt.; gal., \$2.35; \$9.75 per 5 gals.; 14 gals., \$16.10; \$30.80 per 28 gals.

Wilson's O. K. Plant Spray

For Your Flower and Vegetable Garden, Evergreens, Etc.

For Box Mite, Rose Bugs, Lace Fly, Spruce Gall, Red Spider, Aphis, Thrip and other insects. If you are having trouble with insects in your greenhouse or garden, you will find Wilson's O. K. Plant Spray will help you out in fine shape, by keeping your vegetables and flowers free from insects that otherwise would give you a lot of trouble. For a general spray, mix one part Wilson's O. K. Plant Spray with 15 parts water.

Price: 50c. per ½ pt.; qt., \$1.25; \$3.25 per gal.; 5 gals., \$13.50.



ALL PRICES SUBJECT TO MARKET CHANGES

(oi)

THESE NOTED HORTOGEN ROSE SPRAYS AND GROUND DRESSINGS

187

(Rosenbluth Formulae)

ARE PRODUCING PROFESSIONAL RESULTS FOR AMATEURS

**For Black Spot and Mildew
The Invisible Fertilizing Spray**



This highly concentrated fungicide conquers Mildew on roses and other plants practically over night and controls Black Spot. A new and improved form of the famous Rosenbluth formulae, combined with a nitrogenous element that fertilizes through the foliage. It also stimulates hollyhocks and geraniums; prevents rot and eliminates rust on carnations and the diseases of Delphiniums.

	Prices	By P.P.
Half pint.....	\$0.75	\$0.90
Pint.....	1.25	1.50
Quart.....	2.00	2.35
Half gallon.....	3.50	4.00
Gallon.....	6.00	By Express



Spring-Summer Ground Dressing

A remarkable Plant Food, Soil Stabilizer and Ground Dressing for your roses. FeroGen should be cultivated into your rose beds early in the Spring. It supplies vital chemical elements and stimulates to vigorous root action. In convenient powdered form. FeroGen re-inforces stable manures.

	Prices	By P. P.
Pound.....	\$0.75	\$0.90
Two pounds.....	1.25	1.50
Five pounds.....	2.75	3.10
Ten pounds.....	4.75	5.25
(By Express or Freight)		
Twenty-five pounds.....	\$11.00	
One-hundred pounds.....	40.00	



For Aphids or Plant Lice

This Hortogen spray destroys all traces of these pests in two or three applications, for roses, chrysanthemums, golden glow and all others subject to plant lice. Fertilizes through the leaf. Will not discolor the foliage. A complete spray. Also helps to control black spot when used alternately with Fungtrogen.

	Prices	By P. P.
Four ounces.....	\$0.75	\$0.90
Half pound.....	1.25	1.50
Two pounds.....	3.50	3.85
Twelve pounds.....	\$15.00	By Express

**The Complete Spray
Poison, Fungicide, Fertilizer**



A remarkably effective insecticide that rids your roses and plants of leaf-chewing insects, including caterpillars, slug worms, Japanese beetle, etc., and many blights. Also fertilizes the plant through the foliage. Use alternately as a companion spray with Fungtrogen. Both carry their own spreader. Only water is required.

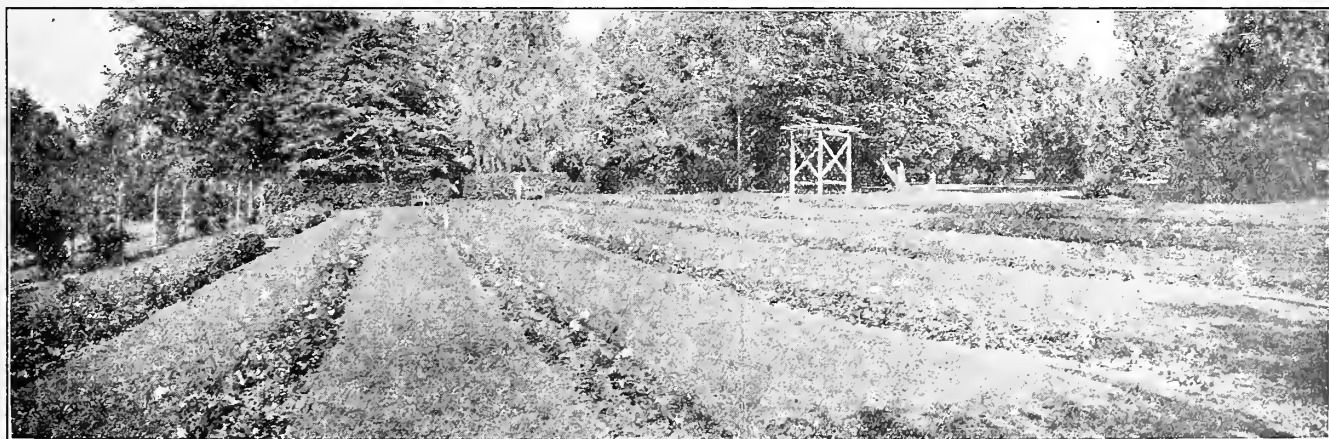
	Prices	By P.P.
Half pint.....	\$1.00	\$1.15
Pint.....	1.75	2.00
Quart.....	2.75	3.10
Half gallon.....	4.50	5.00
Gallon.....	8.00	By Express



Autumn-Winter Ground Dressing

Terogen destroys the spores of fungi of most diseases that have fallen to the ground, as well as the larvae of most insects, including the rose pith borers, rose bugs, aphids and most beetles. Terogen also acts as a valuable fertilizer. Makes sturdy, healthy foliage and prevents chlorosis. In convenient semi-powdered form.

	Prices	By P. P.
Pound.....	\$0.75	\$0.90
Two pounds.....	1.25	1.50
Five pounds.....	2.75	3.10
Ten pounds.....	4.75	5.25
(By Express or Freight)		
Twenty-five pounds.....	\$11.00	
One-hundred pounds.....	40.00	



The Noted Rose Gardens of Edwin M. Rosenbluth, at Wallingford, Pa.

It was at these Gardens that the Hortogen products were developed. The exhaustive tests made here produced such amazing results as to attract the attention of the world's leading rosarians. Government experts admitted they had never before seen such perfect specimens.

The Hortogen products will help you, too, to attain your dreams in Rose Culture. Endorsed by leading rosarians—and by us.

PARCEL POST CHARGES COVER POSTAGE AND SPECIAL PACKING REQUIRED

(oi)

MICHELL'S INSECT DESTROYERS, ETC.

DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE



Ansect Rose Bug Destroyer. Highly effective when used on rose bugs, other hard bodied insects, red spider, mealy bug and other garden pests. Dilutes 1 part to 30 to 50 parts of water. Per 4 oz., 30c.; \$1.00 per pint; qt., \$1.75; \$6.00 per gal.

Ant Destroyer (MacGregor's). For exterminating ants, cock roaches, wood-lice, snails and many other insects. Per ½ lb., 50c.; \$1.00 per lb.; 5 lbs., \$4.75; \$9.00 per 10 lbs.; 25 lbs., \$21.85; \$42.50 per 50 lbs.; 100 lbs., \$80.00.

Aphine. For destroying aphids, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about 1 part to 40 of the latter. Per ¼ pt., 30c.; 45c. per ½ pt.; pt., 70c.; \$1.15 per qt.; per gal., \$3.25.

Aphis Punk. A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphids, thrip, white and green fly, also red spider. Contains 22½% of nicotine. Guaranteed effective if used within 6 months of the date on the container; each package contains 12 sheets, 33 x 6 inches or 16½ sq. ft.; this is in excess of competitive products, so the Aphis Punk is the most economical product of its kind to use. (For use in greenhouses only.) Per pkg. of 12 sheets, \$1.00; \$9.50 per case of 12 pkgs.

Aphistrogen. Makes a complete spray for most sucking insects; prepared especially for roses and other plants. Per 4 oz., 75c.; \$1.25 per ½ lb.; \$3.50 per 2 lbs.; 12 lbs., \$15.00.

Arsenate of Lead (Powdered). 1 lb. to 1½ lbs. dilutes to 50 gals. of water, or may be used dry like Paris Green. Per ½ lb., 30c.; lb., 50c.; 5 lbs., \$2.25; \$4.00 per 10 lbs.; \$8.00 per 25 lbs.; \$27.00 per 100 lbs.

Black Leaf 40. Per 1 oz. bottle, 35c.; \$1.25 per ½ lb.; 2 lbs., \$3.50; \$13.50 per 10 lbs.

Bordo Lead (Powdered). Has all the advantages of the paste form, but goes farther and is easier to handle. ½ lb., 25c.; 45c. per lb.; 5 lbs., \$2.00; \$3.50 per 10 lbs.; 25 lbs., \$7.50; 100 lbs., \$25.00.

Bordeaux Mixture (Powder). 12½% copper mixture, for spraying purposes. Per ½ lb.; 25c. 40c. per lb.; 5 lbs., \$1.75; \$3.00 per 10 lbs.; 25 lbs., \$6.00; \$22.00 per 100 lbs.

Bug Death. Largely used instead of Paris Green; it is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form and is applied pure. Not poisonous to persons. Per lb., 18c.; 45c. per 3 lbs.; 5 lbs., 75c.; \$1.50 per 12½ lbs.; 100 lbs., \$8.75.

Carbolineum (Now known as Protexol). A germicide and disinfectant for purifying poultry houses, stables, etc. Per gal., \$1.50; \$7.00 per 5 gals.

Copper Solution. Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt., \$1.50; \$4.00 per gal.

Cyanegg. For generating Hydrocyanic Acid Gas. Claimed to be the best remedy for killing white fly. Do not use on Sweet Peas. Per lb., 75c.; \$3.00 for 5 lbs. Cannot be mailed.

Cyanogas (Calcium Cyanide). A valuable insecticide for greenhouse fumigation, for destroying aphids, white fly, soft scale, thrips, etc. It is scattered along the walks, and the house closed for the night. Per lb., 70c.; \$3.00 per 5 lbs.; 25 lbs., \$10.00; \$30.00 per 100 lbs. Descriptive circular free.

Fish Oil Soap. An excellent summer spray, when something stronger cannot be used, where San Jose Scale exists. It is nice for washing off lemon trees, oleanders, and almost anything that would be infested with soft-shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per ½ lb., 15c.; 25c. per lb.; 5 lbs., \$1.00; \$1.75 per 10 lbs.; 25 lbs., \$3.75; \$6.00 per 50 lbs.; per 100 lbs., \$10.50.

Fish Oil Soap (Good's Caustic). Used extensively as a tree spray and as a summer remedy for San Jose Scale; it comes in a soft soap form and is easily dissolved, 1 lb. to 10 gals. water. Per lb., 25c.; \$1.10 per 5 lbs.; 10 lbs., \$1.85; \$3.75 per 25 lbs.; 50 lbs., \$6.00; \$10.50 per 100 lbs.

Fish Oil Soap (Rosin). Especially recommended for the destruction of boxwood maggot, bag worm and caterpillars. Per 5 lbs., \$1.50; \$2.75 per 10 lbs.; 25 lbs., \$4.50; \$7.50 per 50 lbs.; 100 lbs., \$13.00.

Fungicide (Zenke's). For various forms of fungous diseases. Per ½ pt., 35c.; 50c. per pt.; qt., 90c.; \$1.75 per ½ gal.; gal., \$3.00.

Fungtrogen. A highly concentrated form of fungicide that will conquer mildew and control black spot on roses. It also supplies an essential fertilizer. Dilutes 1 part with 60 parts of water. 75c. per ½ pt.; pt., \$1.25; \$2.00 per qt.; ½ gal., \$3.50; \$6.00 per gal.

Getz there Soap. Ideal for washing palms and spraying in place of Fish Oil Soap. 2 lbs., 65c.; \$1.75 for 8 lbs.; 25 lbs., \$5.00.

Grape Dust. A powder preparation used for mildew, aphids, black fly and other insects and fungous diseases, principally in greenhouse. Per 5 lbs., \$1.00; \$1.85 per 10 lbs.

Hellebore. The ideal material for destroying rose bugs, currant worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. 35c. per ½ lb., lb., 60c.; \$2.75 per 5 lbs.

Insectrogen. A complete spray, poison, fungicide and fertilizer, an effective insecticide for leaf-chewing insects; also for black spot, mildew and red spider. Per ½ pt., \$1.00; \$1.75 per pt.; qt., \$2.75; \$4.50 per ½ gal.; gal., \$8.00.

Japanese Beetle Spray "Whiz". Kills Japanese Beetles by direct contact; non-poisonous to human beings and may be sprayed with safety on all types of fruits; may also be used for killing other insects. Dilute 1 part in 15 parts of water. Per qt., \$1.25.

Kerosene Emulsion (Liquid Miscible Oil). Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Dilutes 1 part to 20 parts of water. 50c. per pt.; 90c. per qt.; gal., \$1.75; \$7.50 per 5 gals.

Lemon Oil Insecticide. The best and cheapest insecticide in the market. Used by nearly all the leading growers. It effectively destroys mealy bug, scale, thrip and red spider. Per ½ pt., 35c.; 60c. per pt.; qt., \$1.00; \$1.75 per ½ gal.; gal., \$3.00; \$12.00 per 5 gal. keg.

DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE

Lime Sulphur. For scale insects on trees and shrubs, and such fungous diseases as can be treated in winter or early spring; also for leaf curl of peaches. Per qt., 45c.; 75c. per ½ gal.; gal., \$1.15; \$4.00 per 5 gals.; ½ bbl. (30 gals.), \$10.50; \$15.00 per bbl. (50 gals.).

Lime Sulphur (Dry Powder Form). Dilute 1 lb. to 6 gals. of hot or cold water. Per lb., 35c.; \$1.40 per 5 lbs.; 10 lbs., \$2.50; \$4.50 per 25 lbs.; 50 lbs., \$8.00; \$14.00 per 100 lbs.

CARBONDALE HYDROMETERS

For testing the gravity of Lime-Sulphur solution; one should be in the hands of every man who uses this material. Price, \$1.25 (by parcel post, \$1.35).

Mag-O-Tite. Protects crops against the ravages of the root maggot and other garden pests; also eradicates earth worms from lawns and putting greens. Not injurious in any way to plant life, but is a valuable stimulant and fertilizer. In powder form, ready for use. Per lb., 50c.; \$1.50 per 5 lbs.; 25 lbs., \$5.00; \$9.00 per 50 lbs.

Melrosine. An efficient Rose Bug remedy. A powerful and highly concentrated insecticide, used as a spray when diluted with from 20 to 25 times its bulk of water. Per 6 oz., 50c.; \$1.00 per pt.; qt., \$1.75; \$3.25 per ½ gal.; per gal., \$6.00.

Mo Lo. A preparation for destroying and driving away moles. Per pkg., 25c. (by P. P., 30c.).

Niagara "Six Little Dusts." See page 186 for full description and prices.

Nico Fume (Liquid). For use as a spray or vapor, for controlling green fly, aphids, etc., in greenhouses and outdoors. Per ¼ lb., 85c.; \$2.50 per lb.; 4 lbs., \$8.50; \$16.00 per 8 lbs.

Nico Fume Paper. For fumigating greenhouses; gives off dense fumes charged with nicotine. Per box of 24 sheets, \$1.50; \$5.75 for 144 sheets; 288 sheets, \$10.50.

Nico Fume Fumigating Powder. A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. Per lb. can, \$1.35; \$5.00 for 5 lbs.; 10 lbs., \$9.00.

Nikoteen (30%). One of the very best forms of tobacco or nicotine preparations; usually diluted in water; makes a most satisfactory spray as well as vapor. Per 1 oz. bottle, 30c.; 45c. per 1¾ oz. bottle; ½ lb. bottle, \$1.35; \$2.25 per lb.; 4 lbs., \$7.50; \$13.50 per 8 lbs.

Nikoteen (40% solution). Per 4 lbs., \$8.50; \$16.00 per 8 lbs.

Para Dichlorobenzine. For peach tree borers; full directions on each package. Can be used successfully only during August and September, the makers claim it is not effective if used at other seasons. Do not use on very young trees. Ask for descriptive circular. Per 1 lb. can, 65c.; \$2.50 per 5 lb. can; 10 lb. can, \$4.50; \$11.00 per 25 lb. keg; \$33.00 per 100 lb. keg.

Paris Green. A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. It may be used in liquid form 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound of Paris Green to 100 pounds Land Plaster. Per ¼ lb., 15c.; 30c. per ½ lb.; lb., 55c.; \$2.50 per 5 lbs.; \$5.00 per 14 lbs.

Protexol. Formerly called Carbolium.

Pyrox (Bowker's). A combined insecticide and fungicide for all leaf eating insects, blights and fungus troubles; it is a pasty substance and needs only to be mixed with cold water. Per lb., 50c.; \$2.00 per 5 lbs.; 10 lbs., \$3.50; \$7.00 per 25 lbs.; 50 lbs., \$12.50; \$21.00 per 100 lbs.; 300 lbs., \$58.50.

Scalecide. Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. Spray during the winter or early spring when the trees are dormant. Per qt., 75c.; \$1.75 per gal.; 5 gals., \$6.25; \$10.60 per 10 gals.; 30 gals., \$26.00; \$38.00 per 50 gals.

Shoo Fly. For keeping flies off cattle and horses; used with a spray or a sponge; the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt., 55c.; \$1.50 per gal.

Slug Shot. The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. Per 1-lb. carton, 18c.; 60c. per 5 lbs.; 10 lbs., \$1.20; \$2.75 per 25 lbs.; 100 lbs., \$11.00; full barrel lots (about 250 lbs.), 10c. per lb.

Soap Spray (Imp.). An all around outdoor and greenhouse insecticide. Per pt., 65c.; \$1.00 per qt.; gal., \$3.00; \$12.00 per 5 gals.; 10 gals., \$22.50.

Sodium Cyanide. (See Cyanegg.)

Spray Oil (Sunoco). For the control of scale insects, red spider, aphids, thrip, etc.; cheap, effective and pleasant to handle. Per ½ gal., \$1.00; \$1.50 per gal.; 5 gals., \$5.75; \$12.00 per 15 gals.; 30 gals., \$20.00; \$26.00 per 50 gals.

Sulphate of Copper. For destroying fungous diseases of all kinds; also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds sulphate of copper to 6 pounds lime, which is diluted in 50 gallons of water. Per lb., 15c.; 65c. per 5 lbs.; 10 lbs., \$1.20; \$2.75 per 25 lbs.; 100 lbs., \$10.00.

Sulphur. Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale, when it is used in connection with lime and salt. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$2.00 per 25 lbs.; 100 lbs., \$7.50.

Sulphur Candles. For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 25c. each; per doz., \$2.75; small, 15c. each; per doz., \$1.65.

Tanglefoot Fly Spray. A liquid insecticide for quickly exterminating flies, moths, mosquitoes, fleas, etc. Per ½ pt., 40c.; 65c. per pt.; qt., \$1.25; \$3.50 per gal.

Terogen. A new Autumn and Winter ground dressing for the rose garden; destroys insect pests and diseases before they attack; also acts as a fertilizer. Per 1 lb. tin, 75c.; \$1.25 per 2 lb. tin; 5 lb. tin, \$2.75; \$4.75 per 10 lb. tin; 25 lb. tin, \$11.00; \$40.00 per 100 lb. keg.

Thrip Juice (Hammond's No. 2). This preparation is very effective against aphids, red spider, mealy bugs and sucking insects generally. Per pt., 85c.; \$1.40 per qt.; gal., \$4.25.

Tobacco Dust (For dusting). Excellent for lettuce and other plants to destroy soft, creeping insects. Per 1 lb. can with sifter top, 25c.; 40c. per 5 lbs.; 10 lbs., 60c.; \$1.35 per 25 lbs.; 50 lbs., \$2.50; \$4.75 per 100 lbs.

Tobacco Dust (For fumigating). A specially prepared article. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$1.75 per 25 lbs.; 50 lbs., \$3.25; \$6.00 per 100 lbs.

Tobacco Soap (Sulpho). A combination of tobacco extract and sulphur; fine for washing and spraying plants; dissolve in warm water. Per 3 oz., 15c. (by P. P., 20c.); 25c. per 6 oz. (by P. P., 30c.).

Tobacco Stems (Fresh). Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb., 10c.; 30c. for 5 lbs.; 10 lbs., 50c.; \$1.00 for 25 lbs.; large bales at 2c. per lb.; ½ ton, \$15.00; \$27.50 per ton.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 50c.; \$2.40 per 5 lbs.; 10 lbs., \$4.50; 25 lbs., \$9.25.

Volck. A spray for the garden, nursery and greenhouse; effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphids, thrip, etc.; not only kills the insects but also acts as a repellent. Per ½ pt., 50c.; 75c. per pt.; qt., \$1.00; \$3.00 per gal.; 5 gals., \$12.00; 28 gal. drums, \$40.00.

Wilson's O. K. Plant Spray. A powerful yet harmless and efficient insecticide for aphids, red spider, mildew, scale, etc., for inside and outside spraying. Per ½ pt., 50c.; \$1.25 per qt., gal., \$3.25; \$13.50 for 5 gals.

Worm Destroyer (For earth worms). This is a powder and is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. It acts as a fertilizer as well as worm destroyer. Per 100 lb. bag, \$4.25; \$19.00 per 500 lbs.; per ½ ton, \$35.00; \$65.00 per ton.

X. L. All Insecticide Compound. An excellent preparation for spraying; harmless to very delicate plants. For mealy bug, red spider and other insect pests. Per gal., \$8.00.

MICHELL'S HIGH GRADE FERTILIZERS

PLEASE NOTE.—No smaller quantity of Fertilizer than here offered can be supplied.



All prices on Fertilizers subject to market changes.

Acid or Rock Phosphate (16%). Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200 lb. sacks only. \$3.25 per 200 lbs.; ½ ton, \$13.50; \$23.00 per ton.

Adco. A bacterial food for making artificial manure, by mixing it with leaves, grass cuttings, green weeds or, in fact all the many wastes that accumulate during the garden year and applying water, the product is a clean manure. 25 lb. bag, \$2.00; \$10.50 per 150 lb. bag; 600 lbs., \$42.00; \$145.00 per 2100 lbs.

Ashes, Canada Hard Wood. Apply 1000 lbs. per acre. Indispensable for all crops requiring potash; excellent for mixing with potting soil. For top dressing lawns and grass fields it is applied to best advantage either in very early spring or late fall. Per 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.00 per 200-lb. bbl.; ½ ton, \$22.50; per ton, \$40.00.

Asparagus Fertilizer. A mixture that promotes the root and top growth. Apply 800 lbs. per acre. 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.00 per 200 lbs.; ½ ton, \$22.50; ton, \$40.00.

Bacteria for Leguminous Crops. (See *Mulford Culture and Nitragin*.)

Blood (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. 5 lbs., 60c.; \$1.00 per 10 lbs.; 25 lbs., \$2.00; \$3.50 per 50 lbs.; 100 lbs., \$6.00; \$10.00 per 200 lbs.

Blood Flour. Very finely bolted. 5 lbs., 65c.; \$1.10 per 10 lbs.; 25 lbs., \$2.25; \$4.00 per 50 lbs.; 100 lbs., \$7.00; \$12.00 per 200 lbs.

Bone (Coarse Ground). Apply 800 to 1000 lbs. per acre. Prepared from raw bone, exactly like bone meal, except that it is not so fine or quick in action; it is used for the same purpose. 200 lb. bags only. \$8.00 per 200 lbs.; ½ ton, \$35.00; \$65.00 per ton.

Bone Flour. Finely pulverized and bolted. Effective immediately. For rose growing this cannot be excelled. Rich in phosphoric acid and ammonia. Apply 600 lbs. per acre. 5 lbs., 50c.; 85c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00; \$8.00 per 200 lbs.; ½ ton, \$35.00; \$65.00 per ton.

Bone Meal (Michell's Special Grade). Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. Apply 800 to 1000 lbs. per acre. 3 lbs., 25c.; 40c. for 5 lbs.; 10 lbs., 65c.; \$1.25 for 25 lbs.; 50 lbs., \$2.25; \$4.00 per 100 lbs.; 200 lbs., \$7.50; \$32.50 per ½ ton; ton, \$60.00.

Carnation Food (Springfield). Invigorates root action, strengthens stem and calyx, intensifies the color, adds lasting qualities to the blooms, and insures a larger and more perfect crop. 25 lbs., \$1.75; \$3.00 per 50 lbs.; per 100 lbs., \$5.00.

Chrysanthemum Manure (Thomson's Special). Especially recommended and used by the leading private gardeners of England and America. Very highly concentrated. Per 28-lb. sack, \$4.00; \$7.00 per 56-lb. sack.

Clay's Fertilizer. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 28 lbs., \$3.75; \$6.25 per 56 lbs.; 112 lbs., \$12.00.

If small quantities of Fertilizers listed are wanted by parcel post, please add for postage as follows: 15c. for 3 lbs.; 20c. for 5 lbs.; 30c. for 10 lbs.

Cotton Seed Meal. Apply 800 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.25; \$2.25 for 50 lbs.; 100 lbs., \$4.25; \$7.75 per 200 lbs.; ½ ton, \$36.00; \$70.00 per ton.

Cow or Cattle Manure (Shredded). One sack of this is equal to one cartload of cow manure in regular form. Convenient to handle, making it possible for everyone to get this usually scarce article at all times. Especially suited for soil mixing, mulching and liquid manuring. Apply 1000 lbs. per acre. 5 lbs., 45c.; 70c. for 10 lbs.; 25 lbs., \$1.25; \$2.00 for 50 lbs.; \$3.75 per 100 lbs.; 500 lbs., \$18.00; \$33.00 per ½ ton; ton, \$60.00.

Cow or Cattle Manure (Pulverized). Thoroughly sterilized and weedless. Quick in action and especially desirable for pot plants, etc. \$3.75 per 100 lbs.; 500 lbs., \$18.00; \$33.00 per ½ ton; ton, \$60.00.

Feroen. A spring and summer ground dressing; reinforces any manure fertilizers you may use. Per lb., 75c.; \$1.25 per 2 lbs.; 5 lbs., \$2.75; \$4.75 per 10 lbs.; 25 lbs., \$11.00; \$40.00 per 100 lbs.

Floraid. A highly concentrated organic nitrogen fertilizer for vegetables, flowers, shrubs, lawns, etc.; ½ lb. is sufficient to treat 100 square feet of ground. Full directions on each package. Per ½ lb., 50c.; 75c. per lb.; 50 lb. bag, \$12.50; (f. o. b. Phila.) F. o. b. New York, \$12.00 per 50 lb. bag.

Grass and Grain Fertilizer (Michell's). A splendid mixture for top dressing wheat, rye, timothy and grass fields. Apply 800 to 1000 lbs. per acre. 200 lbs. for \$5.25; \$23.75 per ½ ton. per ton, \$45.00.

Michell's Lawn Dressing and Fertilizer. This is a complete balanced fertilizer for lawns, grass plots, fairways and putting greens. It is complete in every way and will produce wonderful results. Apply at the rate of 1000 lbs. per acre. Per 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$27.50 per ½ ton; ton, \$50.00.

Hog Manure (Pulverized). Put up and sold in 100-lb. bags only; splendid for forcing vegetables and flowering plants, increasing size and yield. Per 100 lbs., \$3.75; \$18.00 for 500 lbs.

Horn Shavings. Used principally for mixing in potting soil; rich in ammonia; especially valuable in chrysanthemum growing. 5 lbs., 70c.; \$1.25 for 10 lbs.; 25 lbs., \$2.50; \$4.00 for 50 lbs.; 100 lbs., \$7.50.

Hortobacco (Michell's). A fertilizer manufactured from a tobacco base; for lawns, putting greens, flower and vegetable gardens, etc.; also acts as an efficient insecticide. Per 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$13.00 per 500 lbs.; ½ ton, \$26.00; \$50.00 per ton.

Humus (Alphano Prepared). An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with ½ to 2 inches of Humus and spaded in. Price, f. o. b. Philadelphia, 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs. for 85c.; \$1.35 per 50 lbs.; 100 lbs., \$2.25; \$10.00 per 500 lbs.; per ½ ton, \$15.00; \$25.00 per ton.

PARCEL POST CHARGES COVER POSTAGE AND SPECIAL PACKING REQUIRED

(oi)

PLEASE NOTE—No Smaller quantity of Fertilizer than here offered can be supplied.

Humus (Natural). Not a prepared or chemical fertilizer but pure vegetable Humus, that has been decayed. Excellent for top dressing lawns; especially adapted to golf course construction and compost for golf greens; also valuable for the garden and for pot plants. Price, in car lots only, \$8.00 per ton, f. o. b. Alphan, N. J.

Kainit (Potash Salts). Apply 800 to 1000 lbs. per acre. Excellent for potatoes, corn and other grains; also for top dressing asparagus beds, etc. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 90c.; \$1.50 per 100 lbs.; 200 lbs., \$2.75; \$12.00 per ½ ton; ton, \$22.00.

Land Plaster. Used for top dressing newly plowed land prior to harrowing and for sweetening the soil on lawns and fields; also used for mixing with Paris Green. Apply 1500 to 2000 lbs. per acre. 40c. for 10 lbs.; 25 lbs., 85c.; \$1.25 for 50 lbs.; 100 lbs., \$2.00; \$3.75 for 200 lbs.; ½ ton, \$16.00; \$30.00 per ton.

Lawn Sand. For destroying weeds in the lawn without injury to the grass; also acts as a fertilizer. For best results follow the directions on the package; 3½ lb. tin, 75c.; \$1.35 for 7 lbs.; 14 lbs., \$2.50; \$4.00 per 28 lbs.; 56 lbs., \$6.50; \$12.50 per 112 lbs.

Lime (Hydrated or Powdered). This is a very fine article for distributing on grass. Promotes growth, gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre. 50c. per 10 lb. box; 50 lbs., \$1.10; \$2.00 per 100 lbs.; 500 lbs., \$9.00; \$16.00 per ½ ton; ton, \$30.00.

Limestone (Pulverized). For applying on sour or worn out soils at the rate of 1 ton per acre. Put up in 100-lb. bags. \$1.50 per 100 lbs.; 500 lbs., \$6.00; \$10.00 per ½ ton; ton, \$17.50.

Manure (Fresh Horse, Stockyard and Cow). At short notice we can usually supply first-class horse, cow and stockyard manure in carload lots only. Prices on request.

Mulford Culture. For inoculating clovers and other legumes, such as beans, peas and such other plants that have blossoms similar in shape and form to the above named. The application of bacteria to the seed of these legumes when planting practically trebles the nitrogen-gathering powers and for this reason we urge all planters to use it. In ordering, please state what crops you wish to inoculate. For inoculating Beans, Peas and Sweet Peas, garden size, 35c. For Alfalfa and Clovers, ½ bu. size, 60c.; 1 bu. size, \$1.00; 2½ bu. size, \$2.25; 10 bu. size, \$8.00. For Cow Peas, Soy Beans, Canada Peas, Vetch, Beans, Peas and Sweet Peas, 1 bu. size, 60c.; 2 bu. size, \$1.00; 5 bu. size, \$2.25; 20 bu. size, \$8.00. See also page 82.

Mum Manure (Smith's). Give your plants a quick start by using this manure. A perfect food for Mums and other flowers, either under glass or in the garden. Per 50 lbs., \$5.50; \$10.00 per 100 lbs.

Muriate of Potash. Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent. actual potash. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 for 50 lbs.; 100 lbs., \$3.75; \$7.00 for 200 lbs.; ½ ton, \$31.50; \$60.00 per ton.

Nitratin. A legume bacteria, the original soil inoculator; enriches the soil, increases yield; hastens maturity. Always state when ordering kind of seed you wish to inoculate. Garden size for Beans, Peas and Sweet Peas, 20c. For Beans, Peas, Sweet Peas, Alfalfa, Clovers, Vetch and Canada Peas, ¼ bu. size, 40c.; ½ bu. size, 60c.; 1 bu. size, \$1.00; 5 bu. size, \$4.75. For Cow Peas and Soy Beans, ½ bu. size, 40c.; 1 bu. size, 70c.; 5 bu. size, \$2.50. See also page 82.

Nitrate of Soda. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 5 lbs., 45c.; 85c. per 10 lbs.; 25 lbs., \$1.50; \$2.50 per 50 lbs.; 100 lbs., \$4.50; \$8.50 per 200 lbs.; ½ ton, \$39.00; \$75.00 per ton.

Phosphate (Michell's High Grade). For all vegetable crops, grains, grass, etc. Apply 800 to 1000 lbs. per acre broadcast. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.25; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.25 per 200 lbs.; ½ ton, \$23.75; \$45.00 per ton.

Phosphate for Corn and Oats. Apply 800 lbs. per acre. \$5.00 for 200 lbs.; per ½ ton, \$21.00; \$40.00 per ton.

Plant Life (Zenke's). A liquid plant food, tonic and fertilizer. It contains in concentrated form the elements of plant food in proper proportion for absorption by the plant. Per 8 oz., 30c. (by parcel post, 40c.); \$3.75 per gal.

If small quantities of Fertilizers listed are wanted by parcel post, please add for postage as follows: 15c. for 3 lbs.; 20c. for 5 lbs.; 30c. for 10 lbs.

Plant Food (Michell's). A highly concentrated chemical fertilizer for house, garden or conservatory. Clean, odorless and producing early and abundant blossoms of rich and brilliant color, and healthy, luxuriant plants. Analysis: Nitrogen, 2½%; available phosphoric acid, 7%; potash, 2%. Per 5 oz. pkg., 20c. (by P. P., 25c.); 30c. per 12 oz. pkg. (by P. P., 40c.).

Potato Fertilizer (Michell's). Apply at the rate of from 800 to 1000 lbs. per acre. The principal fertilizer for potatoes in this section, being especially compounded for this purpose. 25 lbs., \$1.25; \$2.00 per 50 lbs.; per 100 lbs., \$3.00; \$5.50 per 200 lbs.; per ½ ton, \$26.00; \$47.50 per ton.

Rose Food (Springfield). An organic fertilizer, containing the vital elements of plant life in scientifically correct proportions to make it an ideal food for roses. Will keep your bushes in splendid condition and produce an abundant crop of perfect blooms. 10 lbs., \$1.25; \$2.25 per 25 lbs.; 100 lbs., \$6.50.

Salt. For asparagus beds and putting on walks and roads to kill weeds. Apply 800 lbs. per acre in early spring. 25 lbs. for 75c.; \$1.25 for 50 lbs.; \$2.00 per 100 lbs.; 200 lbs., \$3.25; \$13.00 per ½ ton; ton, \$25.00.

Semesan. For treating various seeds; hastens germination; stimulates growth; controls diseases and increases crop yields. 50c. per 2 oz. bottle; 4 oz. bottle, \$1.00; \$1.60 per 8 oz. can; 1 lb. can, \$2.75; \$13.00 per 5 lb. can; 25 lb. can, \$62.50.

Sheep Manure (Wizard Brand). Apply 1000 lbs. per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. 3 lbs., 30c.; 45c. per 5 lbs.; 10 lbs., 70c.; \$1.25 per 25 lbs.; 50 lbs., \$2.00; \$3.75 per 100 lbs.; 500 lbs., \$18.00; \$33.00 per ½ ton; per ton, \$60.00.

Soot (Imported Scotch). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on top of and underneath the surface. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$2.00; \$6.00 per 112 lbs.

Stim-U-Plant. A plant food in tablet form; contains highly concentrated, immediately available forms of plant food for use in stimulating all fruit, flower, vegetable and ornamental plants and may be used in tablet or in liquid form. Per pkg. of 30 tablets, 25c. (by P. P., 30c.); 75c. per pkg. of 100 tablets (by P. P., 85c.); 1000 tablets, \$3.50 (by P. P., \$3.65).

Sulphate of Ammonia. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired; will stimulate growth almost immediately. Analysis equal to 25% of ammonia. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$1.75; \$3.00 per 50 lbs.; 100 lbs., \$5.00; \$9.00 per 200 lbs.

Sulphate of Potash. Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for roots and grain crops. Analysis equal to 50% of actual potash. 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$4.50; \$8.00 per 200 lbs.

Tankage. This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.75; \$6.75 per 200 lbs.

Terogen. A new autumn and winter ground dressing acting both as a fertilizer and an insecticide. Per lb. tin, 75c.; \$1.25 per 2 lb. tin; 5 lb. tin, \$2.75; \$4.75 per 10 lb. tin; 25 lb. tin, \$11.00; \$40.00 per 100 lb. keg.

Tobacco Stems. For fumigating, mulching and fertilizing, these are invaluable. The chief fertilizing element in them is the potash. Per lb., 10c.; 30c. per 5 lbs.; 10 lbs., 50c.; \$1.00 for 25 lbs.; large bales at 2c. per lb.; per ½ ton, \$15.00; \$27.50 per ton.

Wheat Fertilizer. For grass and grain crops. Apply 800 lbs. per acre. \$5.25 per 200 lbs.; ½ ton, \$23.75; \$45.00 per ton.

Wonder Worker Fertilizer. An extremely high grade animal base fertilizer, adapted for growing all vegetable crops; will not burn and not being a chemical product, no special instructions are necessary. 100 lbs., \$5.50; \$10.00 per 200 lbs.; 500 lbs., \$24.00; \$42.50 per ½ ton; ton, \$70.00.

Wood Ashes. See ashes at top of opposite page.

MICHELL'S FLOWER POTS, TUBS, ETC.

Fern Dish
LinerEarthen
Fern PanWood Fibre
Flower Vase

Cedar Tub

Keystone Tub

Earthen
Flower Pot

Azalea Pot

Earthen
Bulb PanEarthenware
SaucerWood Fibre
SaucerKrick's Pot
HangerEureka Pot
Hanger

CEDAR TUBS

Equipped with Strong Iron Handles

These are made by hand, of the very best white cedar, painted green, bound with black iron hoops.

No.	Inside Diam.	Each
No. 0	24 3/4 in.	\$11.50
No. 1	23 3/8 "	10.50
No. 2	21 3/4 "	9.50
No. 3	18 1/2 "	7.50
No. 4	16 1/2 "	6.50
No. 5	14 7/8 "	5.75
No. 6	12 1/2 "	5.00
No. 7	11 3/4 "	4.25
No. 8	10 1/2 "	3.75

MICHELL'S KEYSTONE PLANT TUBS

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 25c. per pair, not attached to tub.

No.	Inside Diam.	Depth	Each	By P.P.
1	6 in.	6 in.	\$0.75	\$0.90
2	7 "	7 "	.80	.95
3	8 "	8 "	.85	1.00
4	9 "	9 "	.90	1.05
5	10 "	9 "	.95	1.10
6	11 "	10 "	1.15	1.35
7	12 "	11 "	1.30	1.50
8	13 "	12 "	1.75	2.00
9	14 "	13 "	1.85	2.10
10	15 "	14 "	2.25	2.50
11	16 "	15 "	2.35	2.65
12	17 "	16 "	2.75	3.10
13	18 "	17 "	3.25	3.75
14	19 "	18 "	4.25	4.75

EARTHEN FLOWER POTS

Height and Width inside	Each	Doz.	100	1000
1 inch	\$0.02	\$0.17	\$1.22	\$11.48
2 "	.02	.18	1.02	9.56
2 1/4 "	.02	.18	1.16	10.84
2 1/2 "	.02	.18	1.35	12.75
3 "	.03	.24	1.76	16.58
3 1/2 "	.03	.29	2.16	20.40
4 "	.04	.36	2.70	25.50
4 1/2 "	.06	.49	3.65	34.43
5 "	.07	.65	4.85	45.90
5 1/2 "	.08	.81	6.08	57.38
6 "	.09	.98	7.29	68.85
6 1/2 "	.13	1.30	9.72	91.80
7 "	.15	1.62	12.15	
8 "	.22	2.34	17.55	
9 "	.33	3.60	27.00	
10 "	.45	4.86	36.45	
11 "	.66	7.20	54.00	
12 "	.91	9.90	74.25	
14 "	1.48	16.20	121.50	

AZALEA POTS

Diam.	Depth	Each	Doz.	100
5 in.	4 1/2 in.	\$0.07	\$0.65	\$4.86
6 "	5 "	.09	.98	7.29
7 "	6 "	.15	1.62	12.15
8 "	7 "	.22	2.34	17.55
9 "	7 1/2 "	.33	3.60	27.00
10 "	8 "	.45	4.86	36.45
12 "	10 "	.91	9.90	74.25

CUT FLOWER VASES (Galvanized Iron)

No.	Top Diam.	Depth	Cap.	Each
65	7 1/2 in.	8 in.	6 Qt.	\$0.65
66	8 3/4 "	10 "	8 "	.80
67	7 3/4 "	11 1/2 "	10 "	.90
68	8 3/4 "	12 1/2 "	12 "	1.10
69	8 3/4 "	18 "	16 "	1.30
70	9 "	24 "	20 "	1.75

WOOD FIBRE FLOWER VASES

No.	Diam.	Depth	Each	P.P.	Doz.
0	8 3/4 in.	13 in.	\$1.50	\$1.70	\$16.20
1	6 "	10 "	1.20	1.35	12.60
2	4 3/4 "	8 3/4 "	1.15	1.25	11.20
3	4 1/4 "	5 1/2 "	.95	1.05	10.00
4	3 1/4 "	4 1/2 "	.90	1.00	9.60
11	6 3/4 "	18 "	1.50	1.70	16.50
22	5 1/4 "	15 "	1.40	1.55	15.00
33	4 3/4 "	12 "	1.25	1.35	13.80
44	3 1/2 "	9 "	1.20	1.30	12.60
00	10 "	21 "	3.00	3.30	30.00

EARTHEN BULB PANS

	Each	Doz.	100
6 inches diam.	\$0.09	\$0.98	\$7.29
7 "	.15	1.62	12.15
8 "	.22	2.34	17.55
9 "	.33	3.60	27.00
10 "	.45	4.86	36.45
12 "	.91	9.90	74.25
14 "	1.48	16.20	121.50

PAPER FLOWER POTS

Ins. Diam.	Doz.	P.P. per doz.	100	P.P. per 100	1000
2 1/4	\$0.12	\$0.17	\$0.50	\$0.60	\$4.45
2 1/2	.15	.20	.60	.70	5.15
3	.18	.23	.80	.95	7.05
3 1/2	.20	.25	1.00	1.15	9.15
4	.25	.35	1.30	1.50	11.40
5	.30	.40	2.00	2.25	17.75
6	.45	.55	2.70	3.00	22.00

FERN DISH LINERS

Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Height	Each	Doz.	100
7 in.	1 7/8 in.	\$0.22	\$2.16	\$14.40

EARTHEN FERN PANS

Width	Height	Each	Doz.	100
4 in.	1 7/8 in.	\$0.06	\$0.54	\$4.05
4 3/4 "	2 1/8 "	.07	.72	5.40
5 1/2 "	2 1/4 "	.09	.90	6.75
6 1/4 "	2 1/2 "	.10	1.08	8.10
7 "	2 5/8 "	.12	1.26	9.45
8 "	3 3/8 "	.17	1.80	13.50
9 "	3 1/4 "	.20	2.16	16.20

Note—Earthenware cannot be packed for shipment by Parcel Post.

EUREKA POT HANGERS

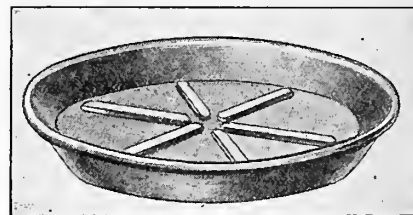
15c. each; doz., \$1.50 (by parcel post, \$1.70); \$10.00 per 100.

KRICK POT HANGERS

No.	Each	Doz.	P.P.
No. 1	\$0.07	\$0.60	\$0.65
No. 2	.08	.70	.75
No. 3	.09	.80	.85

EARTHENWARE SAUCERS

	Each	Doz.	100
4 inches	\$0.03	\$0.27	\$2.03
5 "	.04	.36	2.70
6 "	.06	.54	4.05
7 "	.07	.72	5.40
8 "	.10	.99	7.43
9 "	.14	1.35	10.13
10 "	.15	1.62	12.15
11 "	.19	1.98	14.85
12 "	.23	2.43	18.23
14 "	.37	4.05	30.38

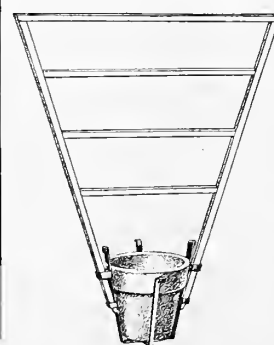


RUBBER SAUCERS

Durable and waterproof.

No.	Each	Doz.	100
1	\$0.15	\$0.20	\$1.50
2	.18	.25	1.75
3	.20	.30	2.00
4	.25	.35	2.50
4A	.35	.45	3.75
5	.50	.60	5.00
6	.60	.70	6.50
7	.75	.90	8.00

VERDERY'S TRELLIS HOLDER

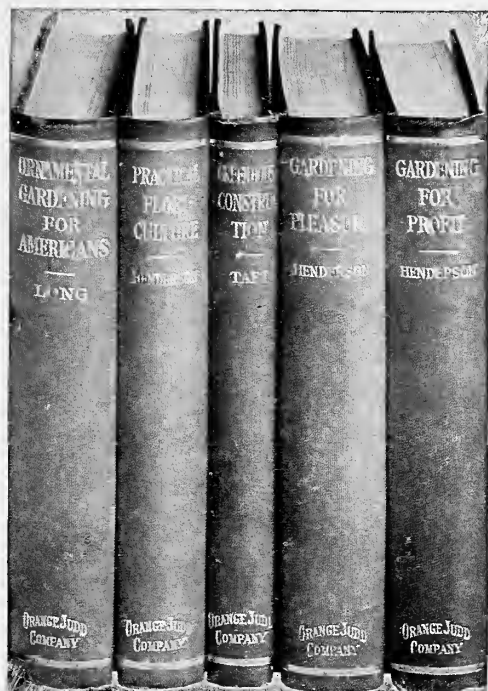


Simply perfect; trellis locked in holder as long as pot is in place; made of good quality steel; trellis of well-seasoned wood.

Size for	Each
4-in. pot..	\$0.75
5-in. pot..	.90
6-in. pot..	1.00
7-in. pot..	1.25

BOOKS On Horticulture, Agriculture and Kindred Subjects

PRICES ON BOOKS INCLUDE PARCEL POST CHARGES



Here is a list of books written by practical men. They are sound, snappy and full of meat. They will enable every grower whether large or small to grow bigger and better crops. We can particularly recommend them to our patrons.

BOOKS ON FLOWERS

Annuals, A Little Book of (Hottes).	116 pages.....	\$1.65
Botany (Wright). Cloth.....		.60
Bulbs and Tuberous Rooted Plants (Allen).	312 pages..	2.15
Carnation Book, The (Thomas).....		.85
Chrysanthemum, The (Herrington).	160 pages.....	1.00
Climbing Plants, A Little Book of (Hottes).	250 pages...	1.90
Commercial Floriculture (Bahr).	560 pages.....	5.20
Dahlia Culture, Modern (Waile).....		1.65
Farm and Garden Rule Book (Bailey).....		3.20
Flowers, How to Grow Them (Rexford).....		.60
Garden Guide. A complete Treatise on the Garden.	360 pages. Cloth \$1.65; Paper.....	1.05
Gladiolus, The (Crawford).....		1.70
Greenhouse Construction (Taft).	210 pages.....	2.40
Greenhouse Management (Taft).	382 pages.....	2.40
Handbook of Plants (Henderson). A Dictionary of Plants.		3.70
Hardy Garden Book, A Woman's (Ely).....		2.15
Home Floriculture (Rexford). A Garden Guide for the Amateur.....		1.90
How to Grow Roses (Pyle).	189 Pages.....	2.15
Landscape Gardening (Cridland).....		2.70
Miladys House Plants. Cloth \$1.35; Paper.....		1.10
Ornamental Gardening (Long).	390 pages.....	2.00
Perennials, The Culture of (Cloud).....		2.60
Perennials, A Little Book of (Hottes).	170 pages.....	1.65
Plant Culture (Oliver Hottes).	444 pages.....	3.50
Plant Propagation, Greenhouse and Nursery Practice (Kains). Very complete.....		2.40
Practical Floriculture (Henderson).	325 pages.....	2.15
Roses and Their Culture (Hubbard). New.....		1.35
Rose in America, The (McFarland).	245 pages.....	3.20
Standard Cyclopaedia of Horticulture (Bailey). Three volumes more than 3,600 pages.....		21.00
Sweet Peas and How to Grow Them (Thomas).	112 pages.....	.85
Small Country Place, The (Maynard).....		1.90
1001 Garden Questions Answered, A Little Book of (Hottes)		2.15
Violet Culture, Practical (Coon). New.....		1.90
Violets, How to Make Money Growing (Saltford).....		.35
Wild Flower Book for Young People (Lounsberry).....		2.70

BOOKS ON VEGETABLE GARDENING, ETC.

Alfalfa (Coburn).	160 pages.....	\$1.00
Asparagus (Hexamer).	174 pages.....	1.00
Bean Culture (Sevey). A comprehensive book.	144 pages...	1.00
Cabbage, Cauliflower and Allied Vegetables (Allen)...		1.00
Celery Culture (Beattie). A practical guide.....		1.00
Clovers and How to Grow Them (Shaw).	337 pages.....	2.00
Farm Grasses of the United States (Spillman).	248 pages	1.85
Garden Book, The (Davis). Home vegetable gardening...		1.35
Gardening for Pleasure (Henderson). A guide to the amateur in the fruit, flower and vegetable garden.	404 pages.....	2.15
Gardening for Profit (Henderson). On vegetable gardening.	374 pages.....	2.15
Herbs, Culinary (Kains).	150 pages.....	1.00
Melon Culture (Troop).	100 pages.....	1.00
Mushroom Culture (Duggar).	260 pages.....	2.15
Mushrooms, How to Grow Them (Falconer).	170 pages..	1.75
Onion Culture, The New (Greiner).	140 pages.....	1.00
Peanut Plant (Jones). Paper.....		.55
Peas and Pea Culture (Sevey).....		1.00
Potato, The (Fraser).	200 pages.....	1.10
Rhubarb Culture, The New (Morse & Fiske).....		1.00
Right Use of Lime in Soil Improvement (Agee).....		1.35
Soils (Burkett).	300 pages.....	1.90
Spraying Crops (Weed).	140 pages.....	1.00
Study of Corn, The (Shoesmith).	100 pages.....	1.00
Sweet Corn Culture (Wilkinson).	203 pages.....	1.10
Sweet Potato Culture (Fitz).	80 pages.....	1.00
Tomato Production (Work). New, very complete.....		1.35
Vegetable Forcing (Watts).	452 pages. Practical.....	2.70
Vegetable Gardening (Watts).	511 pages. Very complete..	2.70

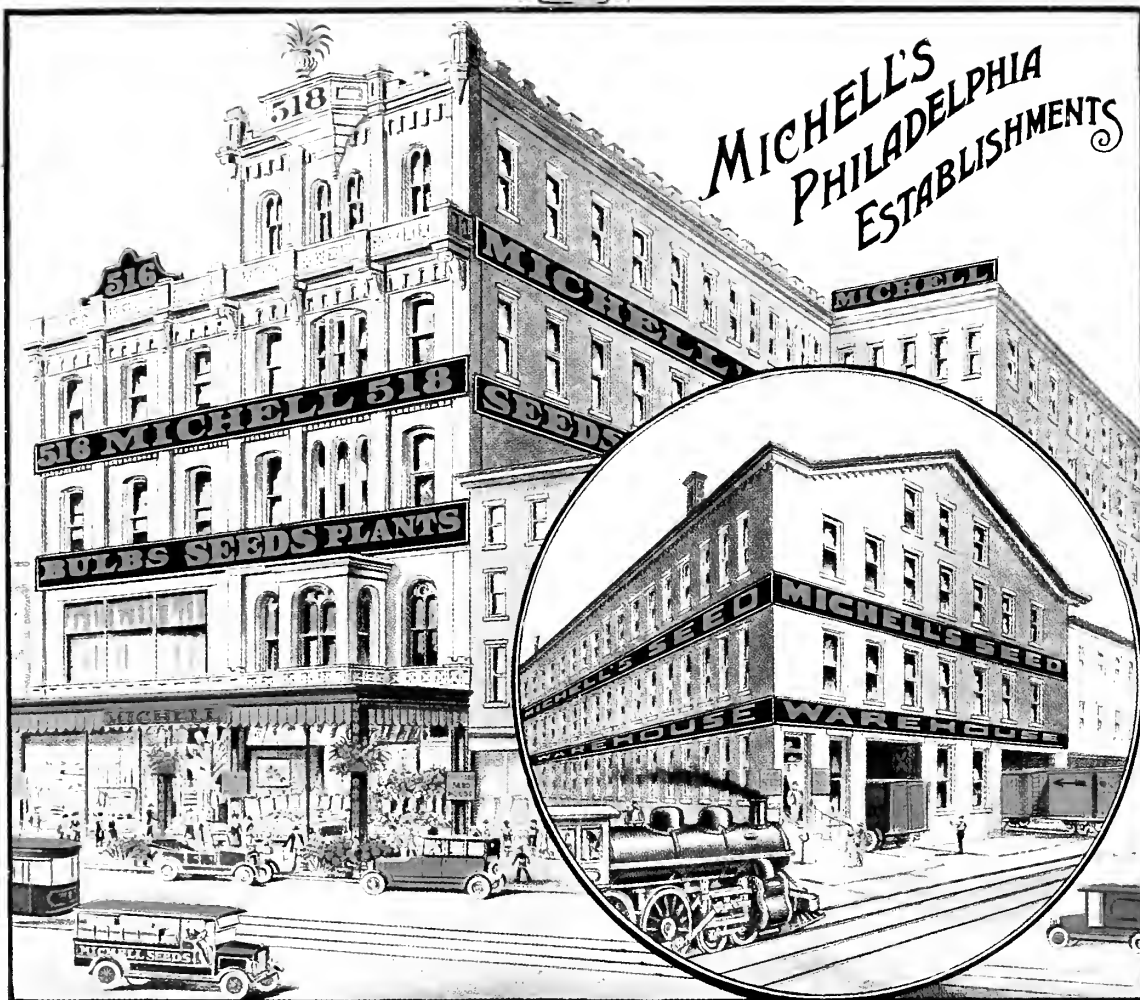
BOOKS ON FRUIT GROWING

American Fruits (Fraser).	916 pages. The most complete book published.....	\$5.00
Canning and Preserving (Rorer).....		1.10
Grape Culturist (Fuller). Best work on the hardy grape..		2.15
Pruning, Principles and Practice of (Kains). Best illustrated work.	400 pages.....	2.70
Pruning Manual (Bailey).	400 pages.....	2.70
Principles of Fruit Growing (Bailey).....		2.70
Small Fruit Culturist (Fuller).	298 pages.....	1.75
Strawberry, The (Fraser). Very complete and practical...		1.35

BOOKS ON POULTRY AND BEES

A B C Bee Culture (Root).	856 pages. Very complete....	\$3.70
Artificial Incubation and Brooding.	112 pages.....	1.10
Chick Book, The. Tells how to obtain good hatches....		.55
Ducks and Geese (Lamon & Slocum).....		2.15
Egg Record and Account Book.....		.45
Feeds and Feeding, Poultry (Lamon & Lee).....		1.85
Fundamentals of Poultry Breeding.	160 pages.....	2.15
High Egg Production by Individual Hens, Pens and Flocks.	176 pages.....	2.15
Leghorns. The best mating schemes clearly described....		1.10
Mating and Breeding of Poultry (Lamon & Slocum).	386 pages.....	2.65
Plymouth Rocks, The.	144 pages.....	1.10
Poultry Breeding and Management (Dryden).	416 pages	2.15
Poultry Diseases and Their Treatment (Wortley).....		1.35
Poultry Houses and Fixtures.	112 pages.....	1.10
Poultry Production (Lippincott).	517 pages.....	3.00
Profitable Culling and Selective Flock Breeding.	120 pages.....	1.60
Standard of Perfection. Explains all the scoring points..		2.70
Successful Back Yard Poultry Keeping.	104 pages...	1.10
Turkey Raising (Lamon & Slocum).....		1.90
Use of Artificial Light to Increase Winter Egg Production.....		1.65

M



A view of our 518 and 516 Market Street, Philadelphia, establishments and our Warehouse with R. R. siding at American and Dauphin Streets, Philadelphia, entirely occupied by us. Our Philadelphia Store and Salesrooms consist of a building 5 stories high, 50 feet wide on Market Street, 73 feet wide on Ludlow Street and 180 feet deep. Our working staff consists of over 200 employees. The loyal patronage of our trade, coupled with our efforts to please and render service, has made our organization possible.



Bird's Eye View
MICHELL'S NURSERIES and GREENHOUSES
Andalusia, Penna.

Our Nurseries at Andalusia, Bucks County, Pennsylvania, comprise about 50 acres of highly cultivated land, 16 modern greenhouses and about 2000 glass covered sash frames. Our specialties are Pot-Grown Roses, Perennials, etc.